

# Manufacturers Record

Reg. U. S. Pat. Office

EXPONENT OF AMERICA

Devoted to the Upbuilding of the Nation Through the Development  
of the South and Southwest as the Nation's Greatest Material Asset

Vol. XCV No. 26 }  
Weekly. }

BALTIMORE, JUNE 27, 1929.

{ Single Copies, 20 Cents.  
\$6.50 a Year. }

## The White House and the Race Issue

WHEN President Roosevelt invited Booker T. Washington to lunch with him, a howl went up—it could not be classed as less than a howl—over much of the South, to the effect that this meant that racial equality was recognized by President Roosevelt. It did not mean anything of the kind, any more than the recent entertainment of the wife of a negro Representative meant recognition of racial equality by the present Administration. At the time of the Roosevelt-Booker Washington incident, the MANUFACTURERS RECORD discussed the subject rather freely and, in order to throw a little light on what happened then and remind our readers of the situation, we are republishing that editorial.

Only wild political demagogues and those people who unfortunately are misled by them, urged on by the effort of political newspapers to misrepresent the situation, can ever for one moment justify themselves in believing that, because Mrs. Hoover in following the usual custom of inviting the wives of Congressmen to a tea included the wife of a negro Representative, this would mean social equality in any sense whatever. Many things are done in official life that are not done in private social life. That fact should be borne in mind by the people who are studying this subject, and especially by the people who, excited by the rantings of Blease and others of his stripe, are stirring up the race question at a time when the sensible people of the South are doing their utmost to bring harmony and peace between the two races, realizing, as the whites of the South do, their responsibility to educate and advance the negro in every way for which he is fitted.

Some 40 years or more ago, Dr. J. L. M. Curry, one of the great ante-bellum and post-bellum statesmen and in later life Minister to Spain, made a speech of tremendous power before the Southern Baptist Convention in Baltimore. Dr. Curry, who had been active prior to 1860 in setting forth the industrial resources of Alabama and who after 1865 devoted much of his life to the upbuilding of the South, in pleading before the Southern Baptist Convention for a higher recognition of the responsibility of the whites to the negroes, said with tremendous effect that if the whites of the South did not upbuild the negro race, the negro race would inevitably pull down the white race. His argument, which we cannot attempt to follow after these many years, seemed unanswerable at that time and we have seen no reason to doubt its accuracy since.

Ever since those days, many of the foremost religious leaders of the South have given of their time and their

money and consecration of life to the advancement of the negroes. Why should they not do so? The negro women are the cooks, chambermaids and nurses of the white people of the South. The physical and moral progress of the white children and of the generations that will follow will depend largely on the physical and moral cleanliness of the cooks and chambermaids and the nurses into whose hands so many of the Southern white children are committed. If the white people of the South viewed the matter from no other than a purely selfish standpoint for their own welfare, they would be in duty bound to do all in their power for the physical and moral advancement of the negroes.

We are not at all unmindful of the fact that there are many bad negroes. We likewise know that there are many bad white people. We know there are many good negroes whose lives are clean and wholesome and who are faithful to every trust committed to them. It must be remembered that as a race the negro race is a child race. Perhaps in many respects they are a thousand years behind the white race in development. They must go through the same long centuries of evolution through which the white race has had to pass. They are, however, a very important factor in the business life of the South, as well as in the family life. They to a large extent labor on the farm, on the railroad and on construction work. That there has been such an abundance of them is in part responsible for the low wages paid ever since slavery days and these low wages to the negroes have held down wages and salaries of the white men. Lift the negro to a higher plane through higher wages and moral and physical cleanliness and you inevitably take from the backs of hundreds of thousands of whites the burden of low wages.

At the time of the Roosevelt-Booker Washington incident, we suggested that negro preachers were not the ones upon whom official life could call for guidance as to the handling of the negro question. That condition has greatly changed. Negro preachers today are better educated than they were then. To a large extent, they are men of higher standards of life. With rare exceptions, they are doing all in their power to advance the race without in any way whatever seeking social equality. All of the rantings of the politicians and political papers that have been criticizing President and Mrs. Hoover for this particular incident are simply serving to quicken into life a dying feeling of animosity among the negroes against the whites. That feeling, created largely by the activities of scalawags during the days of Reconstruction from 1867-1876, has been dying out and the negroes have been coming more and more to a realization of the fact that the white people of the South understand them better than any others and are their best friends.

No one who is not afraid of his own social standing need

ever for a moment imagine that the negro will demand racial equality in the South. That is an impossibility. The negroes recognize it as well as the intelligent whites, but any incident that the politicians can use to create political animosity, to criticize President Hoover as they criticized President Roosevelt with intense bitterness will be used, though without any real justification or any foundation. It is lamentable that this bugaboo of social equality or of negro domination can be played up as it has been for years to the discredit of the South and to the great injury of this section. Level-headed Southern people know that whatever may be done in Administrative circles in recognition of individuals here and there in a race of which there are 12,000,000 in this country cannot in any way whatever influence social equality.

There is no saner and sounder daily paper in the South

than the Charlotte Observer. In a recent issue, in discussing the subject of Mrs. Hoover's action it had the following:

"Illinois sent a negro Congressman to Washington, and the aforesaid Congressman has a wife. White House etiquette requires the President's wife to give official entertainment to the wives of Congressmen. On the first round, Mrs. Hoover set 40 plates and the wife of this colored Congressman was among the guests. We are going to hear a roar over this circumstance and the President's wife, evidently appreciative of the fact, had determined to do it and have it over with. It is a White House custom, side-stepping of which would have created a greater ruckus than its performance, and while the public may criticize, those entitled to get a part of it are the 39 white women who shared honors in the function. If criticism is to be directed at the First Lady of the Land, her guests should be the legitimate sharers in it."

The following editorial from the MANUFACTURERS RECORD of October 24, 1901, discussing the invitation given by President Roosevelt to Booker Washington, which called forth denunciation by wildeyed politicians of President Roosevelt as bitter as those that have been heaped upon President and Mrs. Hoover by the same element, because Mrs. Hoover invited the wife of a negro Congressman with the wives of many others to a tea, so aptly fits the present situation that it is repeated in connection with the foregoing editorial on the same subject.

[Editorial from Manufacturers Record, October 24, 1901.]

## Roosevelt — Washington

WE fear that not a few of our editorial brethren have been doing themselves and the South an injustice in assuming an overwrought attitude toward the fact that Booker Washington has dined with the President of the United States. Brethren, come let us reason together, one with another.

One of the greatest problems confronting the American people is the negro. That problem must be settled, and settled right, for the good not only of the negro race, but equally as much of the white. Its solution through natural evolution was interrupted by revolution forty years ago. The result, as was to be expected, has been evil, and the demoralization of the negro has paralleled demoralization of the whites. The task before the American people, of which the negro is a permanent element, is first to undo the effects of the crime against the negro, committed in forcing upon a child-race the political privileges won through centuries of struggle by the whites and methods of education which by no means have been demonstrated as unqualifiedly beneficial for other races. A generation certainly has been long enough to demonstrate the mistake of attempting the solution of the problem through long-range philanthropy, approaching at times mawkishness and maudlinism; through base politics, employing the negro as an ignorant tool against the elements that work for the good of the South, and, consequently, bringing the whole of American politics to a low plane, or through a schooling that unfits the negro for the life marked out for him by nature and which tends to add to the already great number of drains upon the respectability, the integrity and the prosperity of the country. The time for a new deal has arrived. The individual for the occasion has appeared.

Real friends of the negro and of the people among whom he must make his home for many years have already reached

the wise conclusion that he must be weaned from the influences of ecclesiastico-politics or politico-ecclesiasticism and of the mere book learning provided by pseudo-philanthropy or by the South itself in mistaken imitation of questionable methods elsewhere, and be taught from the ground up the dignity of labor with his hands, supplemented by such proper training as his brain is capable of receiving. In brief, the negro must learn that digging potatoes is quite as honorable an occupation as digging for Greek or Latin roots, if not more so, and one for which he is peculiarly qualified, and that all the culture in the world derived from books, is as emptiness unless it is based upon morality of life and integrity of character. No one under existing conditions could impress these truths upon a negro as well as a negro. Booker Washington has proved in his own career of forty years his ability to do so.

Remarkable as his character is in many respects, its most notable feature, perhaps, is devotion to the best interests of his race. Of all the individuals who have been recognized as leaders of their race, Booker Washington stands alone in holding his own personal ambition for place or power as of minor importance. The greatest endorsement of the purity and unselfishness of his aim is the failure of many negro preachers and negro politicians to give him hearty cooperation.

When Theodore Roosevelt came to the Presidency the hope was expressed that, hampered as he is by none of the considerations which have limited the usefulness of more than one President, he would exercise his freedom in his political action toward the South. He had already given signal evidence of his intention not to disappoint this hope when his quiet entertainment of Booker Washington at the White House was made the excuse for short-sighted violent criticism of him. This criticism loses sight of the fact that President Roosevelt's treatment of Booker Washington was intended to be strictly in harmony with his recent judicial appointment in Alabama. Men who have no fear that the work being done at Tuskegee by Booker Washington can make the negro



superior to the white, and who recognize that the maintenance of race purity rests entirely with the white race, see in the President's conduct an effort to aid, through the weight of his great office, the work of diminishing the evil due to magnifying the weight of the negro in politics. He showed his wisdom in giving Booker Washington a chance to confer with him and to set forth at length his candid, courageous and clear views about the capabilities of his race and the best means for making the most of those capabilities. He would have made a great mistake in listening to the average negro preacher, the average negro politician or the average white politician covered with the muck of negro politics. In avoiding that mistake President Roosevelt conferred a distinct favor upon the South. This the thinking, reasoning South will recognize.

Criticism of President Roosevelt in his relations with Booker Washington seems to turn upon a feeling of dread that he has set an example in social equality of whites and negroes, and that that example will have baneful effects in the country at large. Perhaps his critics have, in their excitement, forgotten that an expression of such dread may be regarded among the uninformed as a confession that such equality of whites and negroes will remain for the future as it has been in the past—a question of individual taste, by no means affecting the vast majority of the race which abhors any impairment of its purity. We have too much faith in the race instincts of the people who dominate the civilization of the United States to believe that people, however the reprehensible conduct of individuals has cursed their fellows, would suppress those instincts, even should a President of the United States flatly announce his intention to do so.

The adverse criticism is met by the following facts: Mr. Roosevelt is President of the United States. As such he is bound in patriotism to represent in the Executive office as best he may the interests of the 76,000,000 inhabitants of the United States, including nearly 9,000,000 negroes.

Booker Washington is the best representative of the negro population of the United States. He has shown in himself the capabilities of his race, and in doing so has shattered more than one of the theories which have hampered the solution of the negro problem.

President Roosevelt, we believe, desires to do his part for the happiness and prosperity of his country. He has the sense to realize that this is dependent upon the happiness and prosperity of the South, and that such a condition will be induced by removing or modifying the causes which have intensified race prejudice.

Booker Washington, of all his race, is the individual who may be depended upon to show President Roosevelt the lines upon which advance is to be safely made in the right direction.

President Roosevelt could not be expected to go to Booker Washington. There was nothing to do but for Booker Washington to call upon the President at his official residence, the White House. As an incident of this conference between the representative of all the people of the United States and the representative of several millions of these people, an invitation to dinner was given and accepted. That incident was as nothing compared with the potentialities for the good of the white race and the negroes involved in the conference of the two representative individuals.

If President Roosevelt may be able to find in the South a man as thoroughly representative and successful in his altruistic, far-reaching and practical work for the vast body of descendants of once-neglected whites in the South as is Booker Washington of his people, a similar conference of the President and that Southern white man will work mightily for the good of the country, whether or not they dine together.

## ONE MORE REASON FOR REVIEW OF JADWIN PLAN OF FLOOD CONTROL

AS the struggle between General Jadwin, Chief of the Army Engineer Corps, and the interests opposed to the Jadwin plan for controlling the Mississippi floods seems to be reaching a climax, fresh reasons appear for delaying the controversial features of the plan until they can be reviewed by a competent board of civilian engineers. At a conference on Monday, June 17, between an American Mining Congress committee and representatives of eleven production groups of natural gas interests it was attested that "one major flood under the Jadwin plan would completely ruin Richland Field and cause serious damage to Monroe Field." General Jadwin was personally advised of the meeting and was invited to send a representative to explain and defend his plan, but no one appeared to answer for him.

Add this threatened destruction of the rich gas fields of Louisiana to the already long list of objections to the Jadwin plan; the dedication of one-third of the flood plain to periodic flooding to save the other two-thirds; the destruction of property values of the rich farms, the villages and towns, the railways and highways of the 150,000 people of that section set aside by Jadwin to serve as the emergency floodway; the charge, made by engineers of highest standing, that the Jadwin plan was prepared in frantic haste, is based on inadequate data and is therefore of necessity to be distrusted; and finally the fact that the plan calls for the expenditure of indefinite hundreds of millions of dollars for construction that makes no pretension to protect the tributary valleys and that may become entirely superfluous when the very necessary protection of those tributaries shall have been accomplished.

It is because of this last objection to the Jadwin plan that the MANUFACTURERS RECORD has been fighting it ever since its publication; was, in fact, demanding careful study of all means of tributary control as a means of reducing floods in the lower river for months before the Jadwin plan was published.

Whatever plan may be adopted for control of the lower river, the people of those tributary valleys, themselves heavy sufferers from local floods, must pay a larger portion of the cost than the people of the five states of the lower Mississippi valley. If a single means can be found by which the tributaries can be protected and the floods of the lower river be reduced to manageable proportions, the people of the tributaries especially and the country at large are entitled to know it and to have the advantage of it. A comprehensive plan of development of water resources of the tributaries—balancing power, navigation and irrigation possibilities—seems to hold good prospects of such a dual use, and should be fully investigated before upwards of a billion dollars is spent in crippling the lower valley under pretext of protecting it.

It is on this ground that the MANUFACTURERS RECORD has fought the Jadwin plan, and it is in addition to this argument that we have from time to time published attacks on it from various sources. When the American Engineering Council urged President Hoover to appoint a board of civilian engineers to review the Jadwin plan the stand of the MANUFACTURERS RECORD was given the unqualified approval of the highest engineering authority in the country. Every such item as that brought to light by the conference between the engineers of the American Mining Congress and the gas interests is additional corroboration of the wisdom of our demand for a review of the Jadwin plan by an unbiased board of civilian engineers. As we have said before, "a sound plan has nothing to fear from such a review as we propose. The suspicion and the bitter opposition that confront the Jadwin plan can never be overcome without it."

## Developing the Work of Inducing the Building of Winter Homes in the South

Bradenton, Florida, June 12, 1929

*Editor Manufacturers Record:*

More power to you in your campaign to tell Northern men like myself of the treasure of a fine home in Florida.

I have been here three years, summer and winter and, Mediterranean fly or not, no one can deprive me of the joy of living here on one fifth of what it cost me in New York or Boston.

Millions of people do not know this—that Florida is a land created for full and happy living, if you have even a modest income.

George Brewster Gallup.

**D**UE to the fact that for many years there has been a gradual increase in the establishment of winter homes by men of moderate means as well as by men of large wealth in the South, the MANUFACTURERS RECORD recently suggested to a number of transportation interests that this thought should be taken up aggressively in all publicity work and that, moreover, special effort should be made to get in touch with winter visitors to the South and lay before them the advantages and the comforts and the health to be obtained by building permanent winter homes in this section.

All the way down from the Sandhill region of the Carolinas, from Southern Pines and Pinehurst, through Camden, Aiken and Augusta, and over to the coast section of the two states, and of Georgia, and then down to Florida and to the Mississippi Gulf Coast, thousands of men of means have established permanent winter homes. Some of them are homes of moderate size and cost and some are palatial in character. And yet we have scarcely scratched the ground in the cultivation of this possible field of activity.

There are hundreds of thousands of people living in the North and West who for health reasons, for the pleasure of the warmer climate and to escape the rigors of their own sections, would find permanent winter homes in the South of enormous benefit to health and in the comfort of living away from the bitter cold and ice and snow. Many men have saved their lives by doing this and others even of good health could lengthen their life span and enormously add to the comfort and pleasure of living by establishing winter homes.

California's great progress has largely been made by the movement of people out of the West into Southern California for the advantages of its winter climate. Los Angeles has largely been created by this California movement of population. The South presents many and varied attractions for winter homes, and in some respects at least these advantages are far superior to California's. The South is nearer to the great centers of population. Within 24 to 36 hours most of the South can be reached from the population centers of the East and West, while California is three or four times more distant in the matter of travel.

In response to a recent letter on the subject urging the transportation interests to take up this campaign and press it vigorously both in their general advertising work and directly by personal and letter presentations of the advantages in establishing winter homes we have a number of replies.

We are quite certain it would be entirely possible under such a system to induce a good many thousands of people who have not yet considered such a plan to attempt it and build homes for themselves away from the snow and ice and the devastating colds and pneumonia and kindred diseases so prevalent in the colder regions of the country. Wm. R. Kenan, Jr., president of the Florida East Coast Railway Co., writing on the subject, said:

"I am sure that your efforts will be fruitful, as they are a move in the right direction.

"We have, for a number of years, made a direct and personal effort to get wealthy people to construct homes along the East Coast and in a good many localities this is going along at a tremendous rate.

"Recently on a trip to Florida I visited Miami Beach and of my own personal knowledge I am sure that there are more homes of an expensive type being constructed at that point at the present time than in any season we have experienced before. Possibly the number is no greater than last year but the value of the buildings being constructed is certainly two to two and one-half times that of last year."

W. R. Cole, president of the Louisville & Nashville Railroad Company, writes:

"Undoubtedly the successful prosecution of plans to induce visitors to the state to build winter homes will be of the greatest benefit and I trust the movement you have launched for this purpose will meet with abundant success. The Louisville & Nashville Railroad is at all times glad to cooperate in any way possible in the furtherance of the interests of Florida and the other states it serves."

From President L. A. Downs, of the Illinois Central System:

"There can be no question about the desirability of having Northern and Eastern business men become owners of winter homes in Florida or in other parts of the South and Southeast. These are the logical locations for winter vacationists from points east of the Mississippi. Home ownership, in turn, means civic and community interest, and many Southern resorts would no doubt benefit by having the permanent advice and guidance of successful men from other parts of the country.

"The Illinois Central System, which serves both Florida and the Mississippi Gulf Coast, is a persistent advertiser of the climatic and other advantages of these regions, and it rejoices as visitors thereto decide to become property owners and at least occasional residents of the localities to which they have been attracted."

H. N. Rodenbaugh, vice-president of the Florida East Coast Railway Company writes:

"This subject is one about which too little has been said. During the boom, the real estate men overplayed their hand, and that action has left an unpleasant memory on the part of many who were at that time favorably inclined towards spending the greater part of the winter season in Florida. While this unfortunate impression is being effaced, the memory of the boom days still lingers in the minds of many persons.

"I think more intelligent thought should be given to this subject than has yet been done. It will take a special form of advertising to stimulate the interest of people, in this class, to a sufficient extent to make them desirous of building winter homes in Florida. While the movement in this direction is, at the present time, greater than it has been for four years, it is still smaller than it should be in view of the growth and the increase in prosperity in our country.

"It is probable, however, that we are now at the dawn of a new day when, after having emphatically demonstrated that hurricanes cannot destroy us and that transportation facilities are more than adequate, even generous in their capacity, and that public utilities of every sort, modern and



capacious, are available, the steady and substantial movement toward Florida, which was so abruptly interrupted by the boom period, may be resumed and progress made at an ever increasing rate.

"I am glad to have your thought on this important subject. I will take steps, so far as our railway is concerned, to expand it and crystallize it into an attractive advertising plan."

Geo. B. Elliott, president of the Atlantic Coast Line Railroad Co., discusses the subject thus:

"Your suggestion for a publicity campaign, seeking the establishment of winter homes in Florida and in our Southern country, by men of means, has merit. It seems to me, however, that a publicity campaign with this end in view should be conducted, certainly primarily, by the localities that are seeking the result. It does not seem to me a practicable railroad movement. We would naturally be more interested in industrial and agricultural development than in residential. There is so much in the way of opportunity along the lines first mentioned that I think the railroads should confine their efforts to that phase and leave the communities interested to secure the winter homes."

We cannot agree with Mr. Elliott's views at all. We do not believe that this work should be left entirely to the individual communities in the South, but that the railroads who would receive the largest measure of benefit should be the active and aggressive workers for a movement of this kind. Industrial and agricultural development, as mentioned by Mr. Elliott, is in our opinion not more important at the present time for the work of the Atlantic Coast Line or other roads in the warmer regions of the South than a movement to induce men of moderate means and men of wealth to establish winter homes there. Every man who builds a winter home in the South adds to its prosperity, is a heavy buyer from the merchants of the community, gives employment to many people, furnishes an immense amount of transportation to the railroads and brings about a closer touch between the section from which he came and the part of the South in which he locates. While individual communities should take an active part in work of this kind, we believe the transportation interests should definitely establish one feature of their activities to reach men throughout the entire country and present the advantages of building winter homes in the South. If such a campaign were undertaken on a broad scale, reaching through repeated letters and illustrated booklets hundreds of thousands of people in the North and West, it would do an immeasurable amount of good.

Here is an opportunity which seems to us to demand the heartiest sort of work from every railroad and steamship line operating in the South. Individual communities may well join in the campaign, but the great, broad constructive work representing large expenditures should be inaugurated and vigorously carried out by transportation interests.

### DRAINING THE SOIL OF FERTILITY

AT the annual meeting of the National Fertilizer Association held at New London recently, Dr. L. H. Weld, formerly professor of the Sheffield Scientific School of Yale University and now director of research of the H. K. McCann Co., advertising agency of New York, in a statement regarding the use of fertilizers reported that the total consumption in 1928 was 7,934,000 tons, the highest figure that has been reached. Despite this increase, however, more plant food is being taken from the soil of farms than is being restored by means of fertilizer through natural elements and through improved methods of farming. Dr. Weld advocated co-operative advertising by the fertilizer companies as a means to increase consumption.

### TULSA PARTY ON SPECIAL TRAIN VISITING BALTIMORE AND OTHER POINTS EAST AND NORTH

THE city of Tulsa, a stripling giant among the youthful cities of the nation, with a population of 188,000 souls and an annual increase of 20,000 has formed a habit of taking a number of its business men and their families on a regular summer visit to older cities of the country, this summer's tour being the third. The object of the trip is "to give Tulsans the opportunity to gather information in regard to development of the cities, meet the business leaders and exchange ideas." The International Special is chartered for the purpose, and this year is carrying close to 150 Oklahomans, most of whom are from Tulsa. It is sponsored by the Tulsa Chamber of Commerce, the Junior Chamber of Commerce and the Tulsa Real Estate Board. The party is swinging east, through Washington and Baltimore, thence northeast through New York into New England, then into Canada and westward.

Heading the delegation are Mayor Dan W. Patton, William Holden, executive vice president of the Tulsa Chamber of Commerce; Arthur Newlin, president of the Tulsa Real Estate Board; Lloyd Stone, secretary of the Tulsa Junior Chamber of Commerce; K. M. Vaughn, realtor and chairman of the committee in charge of the train; N. R. Graham, vice president of the Exchange National Bank; E. Fred Johnson, vice president of the Exchange Trust Company and former president of the United States Junior Chamber of Commerce, and Dudley C. Monk, trust officer of the First National Bank and Trust Company.

This year's excursion is the largest yet sent out from Tulsa and is the first to pay a visit to the border cities of Canada. Besides the Tulsa representation, the train is carrying passengers from Oklahoma City, Stroud, Bixby, Sand Springs, Claremore, Enid and Seminole.

Tulsa, at the heart of the great mid-continent oil fields, is known as the oil capital of the world. As Lloyd Stone, secretary of the Tulsa Junior Chamber of Commerce, puts it, "the story of the city's growth reads like a couple of pages of Aesop. Tulsa was an Indian trading post when Oklahoma was admitted to the Union just 21 years ago. Now it is one of the metropolitan centers of the Southwest."

On their brief visit to Baltimore, which occurred on the morning of June 21, a number of the party expressed keen interest in seeing the historic spots in one of the older cities of the country, for Baltimore has a history of 200 years—a ripe old age as Americans reckon it—and by special request the string of sight-seeing buses went from the newer parts of the city to see the oldest railway station on earth, the Mount Clare station of the Baltimore & Ohio Railroad, and other landmarks.

### A TARIFF ON COTTON

THE Greenville, S. C., News, commenting on the recent insistence by the MANUFACTURERS RECORD of the necessity for a tariff on cotton, says:

"It would be highly interesting if the MANUFACTURERS RECORD or anybody else would show how a protective tariff on cotton would be of any real benefit to the cotton producers of the United States. It is true that there are some comparatively small imports of raw cotton of unusually long staple."

Imports of cotton last year amounted to 172,000,000 pounds or 344,000 bales, and instead of most of it being, as stated by the News, of "unusually long staple" the bulk of this cotton came from India and Mexico.

# Citizens the Most Valuable Product of this Asphalt Quarry

By RICHARD WOODS EDMONDS.

[In Edmonson county, Kentucky, far back from any railroad facilities, dependent on water transportation for shipment of its product and for all of its supplies, is an enterprise that deserves to rank as one of the country's great illustrations of a business which has learned the art of how to handle labor, with the result that it has created a spirit of friendship and co-operation and has stimulated its employees to a high degree of efficiency and loyalty to the work they are doing.

It was in the mountains of Kentucky that what are known as Moonlight Schools were first established with such wonderful success in educating adults as well as younger people. In Kyrock, where the Kentucky Rock Asphalt Company has its operations, school facilities have been provided by the co-operative work of the company and the county, and employers insist that their employees send their children to school until they are 18 years of age. They are also encouraging adult education. In the work they are doing they have inspired a desire on the part of the older people for the education of the younger generation. Here is a real human interest story which carries lessons for many other employers.—Editor MANUFACTURERS RECORD.]

IN a range of ravine-gashed hills in central Kentucky, the Kentucky Rock Asphalt Company, as a by-product of its asphalt output, is converting the human raw material of an isolated locality into citizens of a high order—an instance in which the incidental is worth more than the main product. The quarries and the crushing plant are located in the west central part of Edmonson County.

It is not strictly true to say there is no railroad in the county, because one line does nick the southeast corner; but as far as the people living in and near the quarry camp are concerned, there might as well be none in that or the adjoining counties. The camp may be reached by auto over a road that soars and plunges, twists and turns, but it had been in operation for two full years before an automobile could approach it and to this day is entirely independent of highway or rail connections for the first 70-mile haul of its output. The crushed asphalt, about 250,000 tons of it annually, is shipped out and all supplies, including 25,000 tons of coal, food, clothes, house furnishings, building materials and machinery, are brought in by water. It is a curious sight on a dark night to watch the company's powerful stern wheeler guided by two searchlights, nosing a string of four barges around the sharp bends, at times almost scraping the foot of some sheer, 250 foot cliff.

Edmonson County has an area of 308 square miles and a population, including the 2000 or more directly dependent on the wages paid by the Kentucky Rock Asphalt Company, of between 11,000 and 12,000 people, all white. Practically all of them are descendants of those hardy Scotch-Irish who, a hundred years ago, preferred these rugged hills with their abundant game and their wild, free life,

to the more restricting toil of lowland farms. As their own particular poet, John Logan, puts it:

"This country had a great appeal.  
To those who in their hearts did feel  
A longing for the hunter's chase,  
The arduous and merry race."

And again,

"They've always spurned to hop the clod."

Edmonson County is many miles west of the Kentucky mountains, but its people are similar to those of the mountains in Eastern Kentucky and Tennessee and Western North Carolina. They are the same sturdy, independent breed, and have descended through six or seven generations in an environment of similar isolation and hardship. Few schools had come into the inaccessible region of cliffs and gorges, until the Kentucky Rock Asphalt Company established one for the children of its employees. Many of the mature workmen on the job could not read, but a number have taken advantage of the company's night school to learn how to write their names. Most of these will die without comprehending the symbols they scrawl; but they get a profound satisfaction from making a signature instead of a mark.

The ability to sign their names is the least of the changes evident in the last ten years. More significant is the transformation from a spirit of destructive lawlessness to one of constructive co-operation and law observance. The first Christmas in the camp, contrasted with later ones, as described by Mr. Carmichael, vice-president and general superintendent, illustrates the point.

On that first Christmas after the establishment of the camp, a Christmas tree had been set up and decorated with electric lights in many colors, probably the first Christmas tree many of them had seen. Presents for all the children

in the camp had been heaped at its foot, and Santa Claus was to appear in person. Word went around that a group of the high spirited young men planned to shoot it up; those glowing bulbs would offer irresistible targets. Moonshine liquor was abundant and flowing freely, and as evening came on, the young hot-heads began to gather in noisy groups. Things looked bad. Mr. Carmichael told them that he and his foremen had as many guns as they had, and could shoot as straight. If there were any shooting from one side there would be shooting from the other side also. At twilight the current was turned on, and the colored lamps blazed—a wholly unique sight in that part of the State.

Mr. Carmichael and his men knew the temper and the thirst for excitement of that little group of drunken young men. So, also, did the large majority of the older and steadier people in the camp. Very soon it would be decided whether the Christmas celebration would go off peacefully, or would be turned into a riot. The air was tense with anxiety. The church choir struck up a Christmas carol, and followed it with others; most of the people seemed fascinated. The gun-toting young warriors were silent throughout the singing and the distribution of presents, and only broke loose with a few harmless shots as they went up the hill after the ceremonies were over. An entirely new safety valve had been provided for youthful devilment, and gun play was unnecessary. Today those same young hot-heads, sobered by maturity and family responsibilities, are getting all the shooting they need by shooting down hard rock at the rate of 1000 tons per day.

Christmas now is the peaceful day it should be, with no suggestion of rioting or drunkenness. In fact, drinking is strictly forbidden, and any man found



on the premises of the company with liquor on his breath is promptly discharged. Aided and encouraged by the company, the sheriff and his deputies wage relentless and effective warfare on moonshiners in the surrounding hills.

Educational advantages are bringing a rapid change also in the living conditions and the manner of thought of the people. When the company started operations only the first two or three years of school were possible, because there were no pupils prepared for higher grades. Year by year grades have been added to take care of advancing students, while a steady stream of youngsters have poured in by way of the lower grades. This year the school has 293 pupils, with five teachers and three years of high school. Next year there will be six teachers and four years of high school.

One workman with whom I talked—a native of the locality who now holds a responsible job—told me he had three children in school and two more approaching school age, and expressed the determination to send them all through college if he could possibly find the money. Ten years ago, I was told, that man would have thought any one was crazy who proposed such a thing. "What has brought about such a change in his views?" I asked. "Well," came the reply, "he is proud of the way they are progressing in school; he thinks they show up to advantage compared with the kids he used to know; and he feels that more of the same thing will give them great

advantages in the struggle for a living. He is keen enough to know that the men who plan and direct the construction of the machinery and equipment he handles are trained men; and he sees that his bosses, themselves college men, are making the financial sacrifices necessary to send their children through college. Finally, the children themselves have had their ambitions kindled, and are demanding it."

Simple as all this sounds, to this man and to his fellows who have gone through the same intellectual awakening it represents nothing short of a mental revolution. It is the direct result of the operations of the company and the school.

While more or less of this intellectual awakening takes place, probably in most of the adults, it must skip a few of them. To meet the situation created by these, and by families only recently arrived in the camp and not immediately ready to accept the idea of school for half-grown boys and girls, the company will discharge any man who does not require regular attendance of his children up to the age of 18.

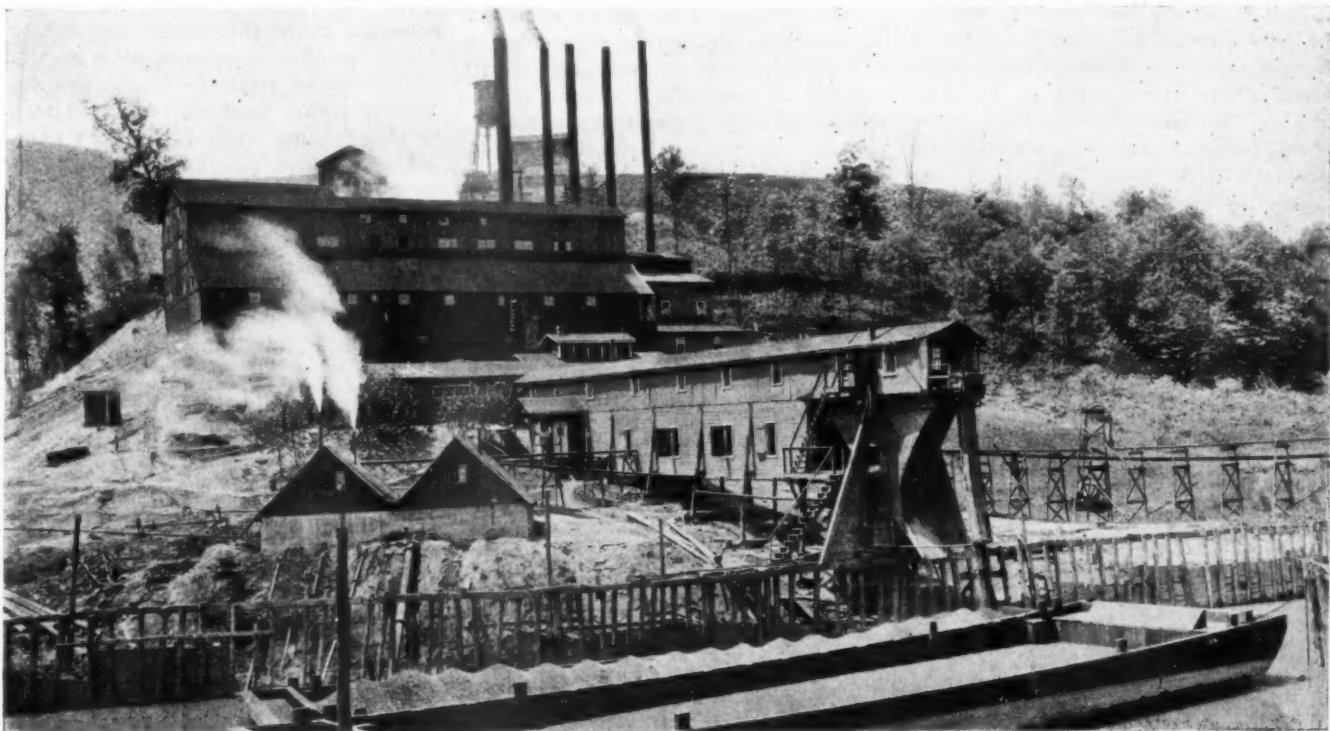
Between those parents who hope to send their children through college and those who have to be forced to send them to school at all come the great majority—valuing grammar and possibly high school training, but considering that sufficient. The preponderance of those appreciating educational facilities was indicated by Mr. Carmichael's reply to my inquiry as to the company's motive for such large expenditures for education.

"We have to do it to hold our people," he replied. "Most of them—and these are our best element—are strongly attracted by the educational and recreational features we provide. Our turnover is almost zero, and these things are vital factors in keeping it down." He then explained the extent of the company's participation in the school, and described other advantages enjoyed by Kyrck people.

The school is not maintained entirely by the company. The county, sparsely settled and with meagre sources of revenue, contributes the greater portion of the teachers' salary for a 7-month term. The company furnishes the school building, pays a portion of the salaries and other operating expenses for the 7-month term, and the full salaries for an additional two months in the high school, making a full 9-month term there. Also, it offers prizes for excellence in various lines of scholarship. For example, one Kyrck boy of 12 has for the second consecutive year won the right to represent Edmonson County in a state-wide spelling contest; and the company pays the expenses of his trip.

Besides the school there is a circulating library; summer Chautauqua, providing lectures on health and hygiene, community life and better homes; plays and music. Season tickets for the family are popular at \$2.50.

In addition to educational and entertainment facilities there is group insurance of from \$1000 to \$5000 per worker, according to earning capacity; a village



Loading Barge at Kyrck Plant



Students of Various Grades, With High School Building in Background

nurse and doctor; and access to the State hospital. Medical attention is provided for by a charge of \$1 per family per month, regardless of the number in the family. Ruptures and other injuries are common among the children, due to bad handling during the first few weeks of infancy. All such injuries or deformities that can be corrected by surgery are treated at the State hospital, and many complete cures have been effected of children who would otherwise have gone through life badly crippled. I recall especially one child who had been so club-footed she was crawling around the yard on all-fours, and when I was there she ran and hopped on the running board of our car to speak to Mr. Carmichael. She was still wearing a brace on one foot, but that, I was told, would soon be left off.

Also, the company pipes steam heat to all houses from a central heating plant, furnishes electricity and running water.

Schools superior to those of towns and counties can be found in a good many cotton mill villages of the South; as also more elaborate welfare programs. Y. M. C. As, amateur theatricals, and a great variety of activities designed to interest and improve the mental outlook and living standards of the workers are maintained by many of the mills. I remember one cotton mill village where a woman welfare worker was teaching youths to wash dishes and do general housework—or trying to. She claimed considerable success. This is the most extreme example I saw of an effeminizing influence that appeared to crop out in some of the cotton mill villages. By contrast, a refreshing feature of the Kyrock influence is its satisfying virility. In their work the men are not thrown all day with women, and they don't work with nimble fingers on delicate fabrics. Instead of cotton they work with hard rock, and their tools are steel and dynamite.

Naturally a virile, hardy lot, their games reflect these qualities. Their baseball team last year won 24 out of 25 games played, defeating in a return match the only team from which it suffered defeat during the season. In the last three seasons that team has lost only four games, and it has taken on everything it could find in Kentucky and Tennessee, and several teams in Indiana.

They are a genial, friendly lot, these people, apparently well satisfied. A stranger is greeted everywhere with ready smiles. Bird boxes are set on poles all about the works, and I was told it would be dangerous for a man to kill a bird or interfere with a nesting. Their geniality wouldn't stand that test. "I thought they were such mighty hunters," I remarked. "They are, off the works," came the reply. "But while they are at work they like to see them around. Even large coveys of quail are protected in this vicinity."

Mr. Carmichael grows enthusiastic over the mechanical skill and aptitude of his men and their loyalty to their work, and I saw several illustrations of these things. Uncle Jimmie is a shriveled little old chap with bright blue eyes and quick, birdlike motions. He works every day. He presides over a shack that houses a sand-drying furnace, and his job is to pound up the sand stone shot down from the ledge on the opposite side of the track, dry it on his furnace, sift it and keep a supply for the sand boxes of the engines that haul trains of loaded dump cars past his door. When he saw Mr. Carmichael coming with a visitor, he came forth and hailed us in to see his pile of beautiful, dry sand on one side,



This Tennis Court for Employees Is Made of Kyrock



and the heap of damp sand steaming atop the drying furnace, his face wrinkled into a smile of child-like pride and delight. "Ain't that nice sand?" he said. "You know why these young fellers don't turn out sand like that, Mr. Carmichael? They pound it up with sharp-headed hammers. I take the flat o' my pick."

"They don't work like you do, either, Uncle Jimmie," Mr. Carmichael said, probably for the five hundredth time, in reply to the five hundredth repetition of Uncle Jimmie's explanation. But the old man grinned with delight, and took us across the track to see the reserve pile of sand he had there, pounded up and ready for drying.

"Always ahead of your job, aren't you, Uncle Jimmie," said Mr. Carmichael, and got another cackle of pleasure. "A distinct t-y-p-e" he said to me in the same breath, and Uncle Jimmie, not knowing that t, y, p, and e are letters of the alphabet and in that order spell a word, had no idea he was being described to the stranger.

That old man turns out a few wheelbarrow-loads of sand a day, but not Herbert Hoover himself can feel any more necessary in the scheme of things than does Uncle Jimmie. Mr. Hoover at least knows the magnitude of the world and the scope of affairs outside the United States, but Uncle Jimmie has scarcely been beyond the 45,000 acres of the Kentucky Rock Asphalt Company's holdings, scarcely knows there is any machinery or equipment beyond the mil-

lion dollars worth that roars and clatters around him. And if them thar engines don't git their nice, dry sand, come a rainy day their wheels 'll skid and they can't haul no rock, an' then where'll the job be? Everything hinges on Uncle Jimmie. Why shouldn't he be proud of his work? If Mr. Carmichael told him to go home and take life easy at the company's expense his self-respect would be broken, and he'd starve before he would accept a penny.

The trains of rock that Uncle Jimmie's well-sanded engines haul are dumped, a 4-ton carload at a time, into the jaws

of a huge crusher that ordinarily chews up from 800 to 1200 tons every day, and that has eaten as much as 1500 tons in one record-breaking 9-hour day. To that crusher, one-ton chunks are dainty morsels and to watch carload after carload of such pre-digested breakfast food poured into it is monotonous. I was lucky in seeing one car loaded with two chunks, one of which weighed all of 5000, maybe 6000 pounds. When the car was tilted the big chunk, in sliding off, kicked the car clear off the track and upset it. Then the boulder lodged in the crusher just too high for the heavy jaw to crack



One of Four Quarries in Operation



Kyrook Storage Pile on Barren River, Bowling Green, Kentucky

it. The ease and skill with which the giant-crusher foreman and his helpers set that car on the track and then, with a whale-hook on a power winch, angled that piece of bait down the crusher's throat made about as pretty an exhibition of impromptu engineering as one could find anywhere.

A third instance occurred in the crusher plant below, where batteries of smaller crushers reduce the rock to a bituminous sand consistency. As we passed, one of the flying 10-inch belts slipped off its pulley. The crusher plant foreman was with us, and without any signal from him, men appeared swiftly from nowhere and with perfect team work set the belt back where it belonged. The delay couldn't have been over three minutes.

Mr. Carmichael told me that in 1928 these men had turned out 250,000 tons of crushed Kyrock with only 16 hours lost because of breakdowns. The superintendent of the crusher plant said that if he asked his men to report for work the next morning at 4.30 instead of 6.30, or to stay and work all night, they would be there to a man, without question or protest. It is true that this is the only

job in the county, and that every day applicants are turned away; but I have worked on construction jobs and I believe I know the look and attitude of men driven by necessity. In the black days of 1915 I saw men worked until they dropped, only to be replaced by others eager for jobs. They worked like fiends, but fear and hate were in their eyes, and when Europe's war orders lifted our industries swiftly out of the early war depression those men took a toll in strikes, indifference and labor troubles of every description. With those days in mind I do not believe I am making any mistake in describing the attitude of Carmichael's men as keen interest in their work and entire satisfaction with working conditions.

Loyalty and co-operation seem inherent in the character of these people. Mr. Carmichael described the custom he found among them of taking up a contribution among themselves to help any of their number who has suffered heavily from sickness or other misfortune. But until the establishment of the quarry and crushing plant, there was no one organization, influence or personality except their religion about which large numbers

of them could gather and to which they could give enthusiastic allegiance. The company, represented in the person of Carmichael, brings more money than they had ever seen before, gives leadership in better ways of living, and in the establishment of athletic games for all who care to play, with teams to collect the best of them and meet outside competition; provides the schools, the motion pictures, a Community church open every Sunday in the year, educational, athletic and recreational facilities surpassing anything before known to them and, in the person of Mr. Carmichael, is always ready to take a warm, friendly interest in their problems, joys and sorrows.

The deadening influence of trade unionism, with its doctrine of a maximum production limited by the ability of the weakest, is unknown. The virile energy of the men finds expression in work for the pride of achievement, with wages adjusted to individual output and promotion to better jobs whenever possible. The whole labor situation seems nearly ideal—though it was hardly so good at the start—and it can probably be kept so just as long as the company is everlastingly right in all its relations with its people.



These Seventeen Locomotives Are an Essential Feature of the Company's Equipment

### Progress on Power Plant

Satisfactory progress is reported by the Hydro-Electric Corporation of Virginia, Richmond, in the construction of its hydro-electric plant on the James River, near Snowden, and it is expected the plant will be in operation by the middle of September. Construction is being handled by Rinehart & Dennis, Charlottesville, Va., while the Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa., has contract for electrical equipment and James Leffel & Co., Springfield, Ohio, for hydraulic equipment. W. C. Whitner & Co., Inc., Richmond, Va., are the engineers. The

plant will have a capacity of 10,000 horsepower and the output will be distributed by the Virginia Public Service Co., Charlottesville.

### Contract for \$300,000 Building

Orlando, Fla.—The G. W. Hessler Construction Co., Jacksonville, has been awarded general contract to erect a \$300,000 building here for the First National Bank & Trust Co. The building will be equipped with an elevator, oil-burning heating system, telautograph and drinking fountains. Howard M. Reynolds, Orlando, is the architect.

### \$9,000,000 Sewer Program

Houston, Tex.—A program for the construction of a storm sewer system in Houston at a cost of \$9,000,000 has been submitted by H. L. Shaw, city engineer, to the city council for action. Tentative plans contemplate a special election on a bond issue of \$5,000,000 to be expended over a period of two years, and at a later date another election on a \$4,000,000 bond issue to be expended over an additional period of three years. The construction program was prepared by G. L. Fugate, assistant city engineer in charge of drainage.



# Protective Tariff Demanded for Products of Southern Agriculture

Representatives of Cotton States at Meeting in Washington, June 17-19, Discuss Need of Tariff to Protect Cotton Planters

Agricultural commissioners of 11 Southern states and other representatives of agriculture and of industries based on agriculture, in a meeting in Washington last week with members of the Southern Tariff Association, discussed the need for tariff protection on certain important Southern crops and framed resolutions designed to advise their respective Senators of the necessity for such protection.

The first address was by Camilo Osais, Resident Commissioner from the Philippines, with arguments opposing a tariff on coconut oil and copra, or the oil-bearing coconut meats, on sugar and on other products imported from the Philippines, on the grounds that:

1. The Philippines is a tropical country and the United States a temperate country, and in the main each produces articles the other needs and does not produce.

2. In the case of sugar, 16 per cent of the United States consumption is domestic production and only 8 per cent is imported from the Philippines, too small a proportion to justify a tariff.

3. In the case of the oils, coconut oil is used mainly in soap-making, thereby driving the edible cotton seed oil into edible products where it commands a higher price. Further, the Philippines is one of our largest export customers for cotton cloth, and cutting off the Island's exports of coconut oils would seriously impair the market for our cotton goods.

4. While conceding that this country has the legal right to tax imports from the Philippines, he denied the ethical right on the ground that the Philippines is a dependency of this country and would be forbidden to tax Philippine imports from the United States.

All of these arguments were promptly and vigorously attacked by the speakers who followed.

In regard to oils, Ed Woodall, a member of the vegetable and fish oils committee of the National Tariff Association, said that since the passage of the tariff act of 1922 the exportation of coconut oil (or of copra from which it is pressed) had increased from 510,000,000 pounds in 1923 to approximately 800,000,000 pounds for the last 12 months, and that at this rate of gain it would equal our entire cotton-seed oil output by 1934. He quoted a report of the Department of Commerce to the effect that:

"One of the most popular areas in Min-

dano is the Province of Davao, where, it is reported, 30 American, 29 Philipino and about 50 Japanese companies are engaged in coconut cultivation. Can it be that we are destroying the vegetable oil industry of the United States and impoverishing the producers of 13 cotton states who are blood of our blood for the benefit of capitalists in the ratio of 50 Japanese to 30 Americans and 29 Filipinos?" and branded as hypocrisy or maudlin sentimentality "any policy that sets the well-being of Philipinos above the well-being of American white and black cotton producers."

In regard to the argument on the ethical aspect of the issue, Frank W. Mondell, Republican, formerly Representative from Wyoming, pointed out that the Philippines are clamoring for independence; that the United States intends eventually to grant them their independence, and that if they are to have political independence they must also develop economic independence by building up world markets independently of a free market in this country. In the long run, he said, a tariff on Philippine imports would be best for that country. And to the gentlemen from the South he urged that certain Southern crops cannot compete with tropical crops grown with cheap labor, and it is the business of the Senate to look out first for the welfare of the native American population and then to consider the Philippines. A resolution adopted by the meeting urged the independence of the Philippines in order to enable that country to tax its imports from this country.

Following discussions of the tariff on oil imported from the Philippines came the subject of jute and jute products imported from India. S. Odenheimer, a cotton manufacturer from New Orleans, and Leavelle McCampbell, Southern cotton manufacturer with an office in New York, described how jute is cultivated by laborers who work for 16 cents per day; how the fiber is stripped from the stalks for no wages whatever beyond the bare stalks and bark, which are taken home for fuel; how the jute cloth used for wrapping cotton bales and making such sacks as are used for potatoes is spun and woven in India by laborers who receive an average wage of \$1.80 per week compared with \$21.24 average cotton mill wage of this country; or less than 10 per cent of what our labor re-

ceives. They showed that this material, imported practically duty-free, is coming into the country in quantities that displace upwards of 1,000,000 bales of cotton.

American mills making the coarse cotton cloths that compete with jute fabrics or are displaced by it, suffer heavily. As Mr. McCampbell put it:

"The mills making these cloths have struggled in vain to meet the ever increasing competition of this foreign fiber spun and woven in a foreign country. Their warehouses are choked with goods. They have had to run short time. Thousands of their people have walked the streets out of work. Their shareholders have had to forego dividends while the cotton they might have consumed hangs over the market to depress further the prices, already low, that hard working farmers have had to accept for their toil and trouble."

And again, the mills that formerly made coarse goods have had to restyle for finer goods and "in their struggle to keep going [the Southern mills], have grabbed for New England's fine yarn trade. New England has suffered. New Bedford has dragged through the misery of a strike. Coarse and fine mills alike have usurped the business of the converter. In an effort to salvage some slight return, many of them have gone over the heads of the jobber to the retailer. The cotton planter has picked up his share of the burden in a carry-over that need never have been. As a consequence, the first bountiful crop in years broke cotton in half its normal value."

And he argued that no greater single measure to aid agriculture could be found than one that would immediately find a domestic market for 1,000,000 bales of American cotton, thereby finding a use for over 3,000,000 acres of farm lands either idle or producing other crops. The reduction of acreage in other crops, Mr. McCampbell argued, would increase the unit values of those crops by reducing the supply. Furthermore, he said, "If within our borders we find a wider market for a textile crop we now produce, and on its way to the consumer it occupies machinery and operatives now idle, the farmer will be helped still further, for these operatives will have to be fed and clothed and that business, too, will work back step by step to the farmer."

Edward A. O'Neal, Alabama, and the

chairman, Harry D. Wilson, Commissioner of Agriculture for Louisiana, urged the necessity of co-operation by all parties, first to securely establish the principle of protection for agriculture and its allied interests, and then to designate those particular items needing protection.

Nothing could be more useless and shortsighted, they pointed out, than for the oil men to seek a tariff for their own protection, while ignoring those wanting a tariff on jute, on citrus fruits or on other farm products. It would be equally futile for one group to attempt to secure a tariff on jute without first winning the co-operation of all other groups interested in a tariff on other farm products. If a gentleman from Florida, for example, should say he is interested in protection for fruits and vegetables but doesn't see much need for protecting cotton and cotton-seed oil, he is ignoring his one chance to get what he wants and he had better study the cases of vegetable oils and jute and see if he can be convinced to the point of co-operating wholeheartedly. When a cotton-seed oil mill man says he doesn't see much to the jute tariff and doesn't intend to listen to the arguments therefore, he is adopting the old, narrow and short-sighted policy that has wrecked so many good efforts to aid Southern interests one way or another; and as long as he is unable to rise out of that attitude and adopt a broad-gauged plan of co-operation with all the interests that are working to the same end, he will never get what he wants—and doesn't deserve to.

A. S. Nance, president of the Georgia Federation of Labor, asserted that labor is in favor of adequate protection for American-grown oil-bearing seeds such as cotton-seed, peanuts and soy beans—the latter more a potential crop for the Middle West, under protection, than an existing crop as are peanuts and cotton seed. Explaining his stand, Mr. Nance said that labor in the South needs higher wages but can get them only if and when Southern manufacturers can earn larger profits, and he is convinced that protection for lint cotton and oil-bearing seeds would make possible better wages.

Senator Joseph E. Ransdell, of Louisiana, a Democrat who has long realized the South's need for protection along with other sections, said that if half a dozen Southern Senators would work wholeheartedly for such protection they could surely get it; but they will not so work unless they can be completely won over to appreciation of the necessity. This is a matter of education, he said.

T. N. Brown, a member of the Georgia legislature, backed up this position with an argument that should win the enthusiastic support of every Southern

Senator, whatever his views on the tariff. Said Mr. Brown:

"We are here to seek protection for our agricultural products. The first bridge we have to cross is to win over to our program Senators and Representatives in Congress. When we have crossed this bridge we are on the wide open highway to success with our program.

"The first question then to be considered is, How shall we win Senators and Representatives in Congress? We must approach the question by recognizing that they are statesmen of high character and honest, and that the argument necessary to win them must be right and must convince them that our position is right with reference to the program that we present. This is about the way I would approach a Senator or a group of Senators or Representatives in the House, recognizing that some of them may be opponents of a protective tariff policy and some of them may be supporters of that policy, and some of them may be interested in one class of industry and uninformed as to other classes of industry. But I would say to them that the basic principles upon which our government is founded provide for equal rights and opportunities for all citizens of the nation, and that regardless of whether you are a Southern Democrat, a Northern Democrat, a Southern Republican or a Northern Republican, a protectionist or a non-protectionist, one thing we must consider at the outset is that protection is the policy of this nation, and that this policy has been approved by the people of the nation in the popular election last fall.

"Considering that it is the policy of the nation, then we should accept it as such and work under it, and regardless of what we believe with reference to protection as a policy, it is your duty to see that the application of that policy is a balanced application affecting all citizens, sections and industries just alike.

"I can be a Democrat and believe in a protective tariff policy or I can be a Democrat and disbelieve in a protective tariff policy. The test of my democracy comes when I apply the policy. If I apply it equally to all citizens, sections and industries alike then I have practiced the democracy I believe in. If I do not apply it justly to all citizens, sections and industries then I have not practiced the democracy that I claim to believe in.

"As I say, I can be a Democrat and disbelieve in a protective tariff policy and yet work under that policy when it is in vogue in the nation to protect the interests of all people alike under it, but I cannot practice democratic principles and see a policy put in vogue in the nation without doing everything in my power to see that that policy has a balanced application to all parties and all interests of the nation.

"The protective tariff can be considered as a kind of tax. Supposing that a tax measure is proposed; you support that tax measure, I oppose it, but you win and the tax is applied. Would it be reasonable to tax you because you favored that policy and to not tax me because I opposed it? The same is applicable to the protective tariff policy, as applied to any governmental unit. This argument, it seems to me, is invincible

and should convince every Senator and Representative in Congress regardless of what his beliefs are with reference to the wisdom of a protective tariff policy. Then when you have won the Senators and Representatives to your program, we can say to them; 'Now, gentlemen, you are with us, you are ready to work out the details of a program that will be balanced and that will do exact justice as near as human judgment permits, we are ready to furnish you specific articles, or information with reference to specific articles, which are in competition with the farm products of this nation. We are using all the agencies we have to give you information as to what articles should be protected in order that the farmers of the South may receive their just portion of the benefits to be derived from protective tariff in this nation, assuring you that we are also willing while this policy is practiced to bear our just portion of the burdens arising therefrom.'

Resolutions were adopted urging independence for the Philippines, the need for adequate tariff protection for agriculture, for industries allied with agriculture, for industries in which changes of manufacturing costs or competitive conditions occurred since the tariff schedule was adopted in 1922, and finally for all industries that are now without adequate tariff protection.

### Building Texas Carbon Black Plant

The United Carbon Co., Charleston, W. Va., has completed and put in operation within the past six weeks three carbon black units at Borger, Tex., for the Eastern Carbon Black Co. and expects soon to complete the fourth unit. Material has been ordered and is being delivered for the construction of units 5 and 6. Work is being done by company forces and practically all material is being purchased by the company's purchasing department at Charleston, although certain classes of material and emergency orders are being handled by the Borger office.

### South's Population Increase 48 Per Cent Since 1900

In comparison with conditions in 1900, the Blue Book of Southern Progress for 1929, just issued by the MANUFACTURERS RECORD, shows that from 1900 to 1928 the South's increase in population has been 48 per cent, to 40,631,000; in wealth, 346 per cent, to \$80,000,000,000; manufactured products, 563 per cent, to \$10,371,793,000, as of 1927; mineral products, 1314 per cent, to \$1,836,575,000, in 1927; farm products, 231 per cent, to \$5,184,646,000, in 1928; public school expenditures, 1116 per cent, to \$426,200,421, in 1926; highway expenditures, 2986 per cent, to \$390,220,000, in 1928.



# Bankers Vigorously Criticize Federal Reserve Methods

Law Against Usury Demanded by Durant

[In the MANUFACTURERS RECORD of last week, S. S. Blackman, president of the First National Bank of Tullahoma, Tenn., in a vigorous letter written some months ago denounced the policy of the Reserve Board and warned against its danger to the country. Now, former Governor Stokes of New Jersey, chairman of the First Mechanics National Bank of Trenton; Michael H. Cahill, president of the Plaza Trust Co. of New York and also president of the New York State Bankers Association; and Wm. C. Durant, financier and automobile manufacturer, join in severe arraignment of the policies of the Federal Reserve system.—Editor MANUFACTURERS RECORD.]

*The New York Times report of the annual meeting of the New York State Bankers Association referred to the addresses of Mr. Stokes and President Cahill as follows:*

Both arraignments of the Reserve Board's method of procedure against stock market speculation were made by bankers, the first by Michael H. Cahill, president of the association and also of the Plaza Trust Company, New York, and the second by former Governor E. C. Stokes, of New Jersey, now chairman of the board of the First Mechanics National Bank of Trenton.

If the applause accorded the speakers is any criterion, the several hundred delegates enthusiastically approved the tenor of the utterances. Former Governor Stokes delivered the more caustic disapproval.

He asserted that the Federal Reserve System had failed in the fundamental object for which it was created, namely, the furnishing of cheap credit; charged it with thinking too much of international banking and too little of American and advocated a revival of the Aldrich Vreeland emergency currency act, which, in its new application, would allow banks to increase their note circulation without resort to the central banking reservoir.

"The Federal Reserve policy," declared Mr. Stokes, "checked the flow of credit when it had credit to loan. It made interest rates usurious, it increased the cost of government and municipal financing at the expense of the taxpayers, the last government loan being floated at over 1 per cent higher than a year ago; it helped to demoralize the farmers' staples, wheat and cotton; it frightened the public, it disturbed business confidence, it held aloft a Damocles sword by its covert insinuations that a higher discount rate would be charged, thus enabling the strong to shake out the timid and frighten holders of securities, and when the pockets of the farmer were filled with cheap holdings and the rumblings were heard from wheat fields of the West and cotton fields of the South, it beat a rapid retreat and its apologists

suddenly announced that the 5 per cent discount rate would not be raised.

"Of course," he added, "the attitude of the government banks caused a crash in prices."

Mr. Stokes at another point in his address accused the Federal Reserve with being "imbued with the false notion that it must busybody itself whether or not the American citizen shall buy a share in his country's property in the form of securities—a paternalism far afield from the credit function. If, with our strong financial position, we cannot furnish credit as cheaply as the weak nations of Europe, our banking system has confessed the height of incompetence."

He said that the Federal Reserve banks had no excuse for raising their rediscount rates last year and that, since an increased rate was not necessitated by the condition of bank reserves, the charge should have been lowered rather than raised. But the central banking authorities had some other object in raising the rates, he stated, and "that object was clearly disclosed in its statement of February 7. It assumed to be the ring-master of the Stock Exchange. These two functions are incompatible. You cannot make credit dearer for the brokers and not at the same time make it dear and difficult to obtain by the farmer, the manufacturer and the business man."

"Only a few speculate," he continued. "Indeed, the difference between investment and speculation no man has ever yet defined. There are millions in the land whose savings have bought securities. A credit policy that, under the pretense of stopping the illy-defined practice of speculation, strikes at the innocent millions by reducing the value of their property is like letting loose a destructive flood that washes away the homes and factories under the pretense of irrigating the land."

Mr. Stokes characterized the Aldrich-Vreeland act, which before the Reserve System was in operation, as "a simple effective system of credit, the best ever devised."

"If we had this system now supple-

menting our present Federal Reserve System," he concluded, "whenever credit demands arose like the present and currency could be issued under this act and the merchants, the business men and the manufacturers would be supplied, business would not be hampered and the march of the country would continue. The whole currency problem would be solved and it would solve itself automatically and locally under local control."

Mr. Cahill held that, while no fault should be found with the Reserve Board for its object of the liquidation of credits, the system was deserving of "rather severe criticism for the unfortunate publicity methods which they used to bring about this result."

Instead of issuing publicly dire warnings and mandatory and threatening proclamations, which were alarming to the public and resented by bankers, declared Mr. Cahill, the board should have sought a safe remedy by quietly and without publicity securing the immediate and friendly co-operation of member banks. Such a procedure the speaker described as business-like.

"There would have been no adverse publicity," he said, "the stock market would have remained firm, a disastrous feeling of uncertainty in the minds of the public would have been prevented, many small investors would have been saved from serious losses."

William C. Durant gave out a statement in New York in which he said:

"No well informed person can deny that the Federal Reserve Board in lining up with the destructive forces of Wall Street, discriminating against our choicest securities, curtailing money about brokers' loans and interfering with business generally, has undermined confidence, so essential to our national prosperity."

"Confidence will not be restored and the investing public will not again feel secure until the power of the Federal Reserve Board is clearly defined by Congressional action. The Federal Reserve Board is charged with discriminating against securities and restricting credits illegally and the fight is being waged solely on the latter issue. We can and

will have a 'bull' market as soon as this question is settled and when it is settled, seasoned securities of merit and those having possibilities will sell much higher than ever before.

"The present situation takes me back to 1924, when a few men (not the so-called 'big ten') decided that it was not for the best interest of our country to have the prices of securities dominated by the gamblers of Wall Street.

"As a result of courageous and well considered action, except in rare instances a stabilized market was established to the end that enormous sums of money were made available for our industrial development. When I say industrial development, I mean the economical financing of hundreds of enterprises employing labor. This all happened during the prosperous Coolidge administration.

"So thoroughly was confidence established in our national enterprises and so great the demand for our securities, that even the giant United States Steel Corporation found it possible to convert its bonds into common shares at a very attractive figure, and the Anaconda Copper Company was able to refund all of its obligations by the issuance of its common stock, taking into its treasury this very day from the investing public \$118,000,000 in cash. Other larger corporations are preparing to finance their operations and extend their business by encouraging the purchase of their common stocks under the partial payment plan.

"While we have today upwards of 15,000,000 stockholders and co-partners of record in our industrial, railroad and public service enterprises, it is estimated that over 80 per cent of our population is directly or indirectly interested in our security market.

"Again referring to the Federal Reserve Board, I can add very little to what I said in my speech before the American Club in Paris except that I am and shall continue to be in evidence until this very vital question is disposed of.

"Apropos of usurious interest rates—a piece of important state legislation which has a bearing upon national and even international conditions is a bill which will be introduced in the New York State Legislature amending the usury law so that call loans will not be exempt. With this legislation effected 10, 12, 15 and 20 per cent money, a disgrace to the financial policy of our country, will be a thing of the past."

### Offers \$6,500,000 Bonds

The Federal Water Service Corp., New York, controlled by the United Power Gas and Water Corp., is offering through G. L. Ohrstrom & Co., New York, an issue of \$6,500,000 convertible 5½ per cent gold debentures to retire unfunded debt and to provide funds for additions and betterments to properties of subsidiary companies and for other corporate uses. Through direct or indirect ownership, the company controls a number of water supply properties, among which are the West Virginia Water Service Co., and the Alabama Water Service Co.

## PLAN FLORIDA POWER PROJECT

### Permit Sought for 16,000 Horsepower Hydro Development

Orange Springs, Fla.—J. N. McDonald, Sarasota, Fla., has applied to the Federal Power Commission, Washington, for a preliminary permit to develop a power project on the Oklawaha River in Marion and Putnam counties. It is planned to build a dam about 35 feet high and 5500 feet long, a power house and navigation lock in the river about two miles from Ocean Springs. The installed capacity of the development is estimated at 16,000 horsepower.

## Branch of Federal Reserve Bank Requested

Amarillo, Tex.—Business interests of Amarillo and surrounding territory have made a formal request of the board of the Eleventh Federal Reserve District, Dallas, for the establishment here of a branch Federal Reserve Bank to serve the Texas Panhandle, the Oklahoma Panhandle, Southwestern Oklahoma, Eastern New Mexico, Southern Kansas, the South Plains of Texas and all territory tributary to the Fort Worth & Denver City Railroad as far west as Vernon, Tex. It is estimated that the population of the region is about 600,000 and that the number of banks is from 250 to 300. W. H. Fuqua, president of the First National Bank at Amarillo, presented the request to the board.

## South Makes One-fourth of Country's Wooden Furniture

It is estimated that the Southern States now make one-quarter of all the wooden furniture produced in the United States, says the Blue Book of Southern Progress for 1929, just issued by the MANUFACTURERS RECORD. Of 3222 establishments in the United States in 1927, 528 were in the South and produced \$145,872,090 out of \$879,706,306 for the entire country. Virtually 41,000 persons are engaged in the industry in the South, out of a grand total of 210,000, and the primary horsepower used in the Southern plants is 96,713, out of 490,179.

## 5-Story Apartment Hotel

Oklahoma City, Okla.—Contract has been awarded by the Swan Loan & Investment Co., E. S. Swan, to W. R. Lowe, Oklahoma City, on a cost-plus basis, for erecting a 5-story and basement apartment hotel here. Automatic elevator service will be installed. Maurice Jayne, Oklahoma City, is the architect.

## \$2,500,000 Penney Warehouse

The new 13-story warehouse at St. Louis, erected at a cost of approximately \$2,500,000 by the J. C. Penney Building & Realty Corp., New York, a subsidiary of the J. C. Penney Co., was recently completed. The structure is 367 by 180 feet, of the mushroom type, reinforced concrete, flat slab construction with face brick, the floor load being 150 pounds per square foot on all floors except the fifth and sixth, which will carry a load



Penney Warehouse in St. Louis

of 200 pounds per square foot. It contains approximately 890,000 square feet of floor area, is 100 per cent sprinklered, and will be used as a distributing center for the J. C. Penney Company's retail stores in the central and western sections of the United States.

Elevator service is provided by 11 freight and 2 passenger elevators, while an elaborate conveyor system is designed to reduce the number of handlings of incoming and outgoing merchandise to a minimum. The building is heated by direct radiation. John F. Miller, New York, consulting engineer, designed the warehouse in collaboration with the T. P. Barnett Co., St. Louis architects. Taxis & Becker, St. Louis, are structural engineers and Starrett Brothers, Inc., New York, the general contractors who handled structural concrete and brick work. Major sub-contracts were awarded as follows:

**Conveyors**—Lamson Co., Inc., Syracuse, N. Y.

**Electrical work**—Dennison-Loepker Electrical Co., St. Louis.

**Elevators**—St. Louis branch of the Otis Elevator Co., New York.

**Glass and glazing**—Hadley-Dean Glass Co., St. Louis.

**Heating**—Almirall & Co., Inc., New York.

**Kalamein, hollow metal and bronze**—Reliance Fireproof Door Co., Brooklyn, N. Y.

**Metal windows**—Truscon Steel Co., Youngstown, Ohio.

**Monolithic cement floors**—P. M. Bruner Granitoid Co., St. Louis.

**Ornamental and miscellaneous iron**—Mississippi Valley Structural Steel Co., St. Louis.

**Painting**—Beal & McNamara Painting Co., St. Louis.

**Plumbing**—Thomas J. Sheehan Co., St. Louis.

**Roofing**—Certainteed Products Corp., St. Louis.

**Sprinkler system**—The Grinnell Co., Providence, R. I.



# The Elastic Tariff

## Delegates Legislative Powers to the Executive—A Suggestion to Limit It to Increases of Tariff Rates—Duplication of Authority and Avoidance of Responsibility by Congress

By WILBUR F. WAKEMAN, Former U. S. Appraiser of Merchandise, District of New York.

Number 15.

**I**F we must have an elastic tariff, why not make it elastic upwards, only? That is, let Congress adopt a minimum tariff and give the President the authority to raise it when "inequalities in the conditions of competition" are found to exist by investigation of the U. S. Tariff Commission. Extension of the system of raising or lowering the tariff by executive order is a dangerous one, for it practically places legislative and executive functions in the hands of the President when all legislative power is vested in the Congress by the Constitution.

The first I heard, officially, of an elastic tariff was in a conference with President Harding, when in June 1922 he asked what I thought of a policy of adjusting the tariff up or down, considering unstable currencies and uncertain conditions in foreign countries. I told him frankly that in my judgment tariff schedules belonged to the duly elected members of Congress; if they made mistakes the people would soon correct it by keeping them at home; that I would not trust the destiny of American industry to any small group of men and especially to a bi-partisan board like the tariff commission.

My thought did not prevail, but the conservatism of President Coolidge prevented reduction in the tariff rates which would have worked injuriously to American industry. The elastic tariff takes the entire question too far from the people at large. It seems, however, that the system is with us to stay, consequently the suggestion is made that the elastic tariff apply upwards only. Under present conditions and the greatly increased power of the tariff commission we shall have constant tariff revision or threat of it. To-day, we have the U. S. Customs Court writing rates of duty or values downward and the Tariff Commission awaiting, in the proposed provisions of the Hawley tariff, the most general power ever granted by Congress to mutilate the tariff rates up or down. The Customs Court and Tariff Commission, two independent bodies, virtually take over all the authority which formerly rested in the Treasury Department.

If the Congress will give us a minimum tariff and let the Tariff Commission step in when the rates of duties are not adequate we will have a stability of business affairs never before attained.

Again, with the power to lower or raise the tariff schedules, every American industry competing with foreign products is compelled to watch the Tariff Commission—its investigations, hearings and doings constantly. Producers should not be compelled to maintain private bureaus or lawyers in Washington to protect themselves against possible adverse action of the agents and servants of the American people.

President Harding's points were well taken but I was informed that the strong desire of many members of Congress to avoid responsibility, to "pass the buck" and to send petitioners somewhere else for relief, had much to do with the elastic tariff having been adopted during the Harding administration, to be administered by the Tariff Commission and its findings promulgated by the President. Avoiding responsibility, especially by the House of Representatives, is assuming dangerous proportions. In every tariff bill from 1890 to date, I have known of many cases like this: "Yes, that paragraph or section is not right but it will be fixed up in the Senate." Here is an official illustration; the Hawley bill struggles with the question of valuation of foreign merchandise and emerges with as bad a proposed law as now in force. Then in one of the late paragraphs of the Hawley bill, like an afterthought, it provides for survey and investigation by the President of "bases for valuation of imported merchandise" and "such formulae as he may propose for adjusting the rates of duty imposed by this Act to conform to any change in basis he may recommend." Of course, the necessary appropriation is also made.

It was the plain duty of the Ways and Means Committee, H. R., to have given us a simple straightforward basis of valuation, but it was "passed up" to the Senate whose Finance Committee will give us something else, which will appeal to American industrials and honest importers but not to the "customs practitioners."

Reverting to the elastic tariff, many protectionists always opposed it because of continuing uncertainty and unsettling influence on general business conditions. Many denied its constitutionality until they were corrected by the decision of the Supreme Court.

Its increased power goes far beyond the law of 1922, and contrary to the views of President Hoover of October 15, 1928, when at Boston, he said:

"The Tariff Commission is a most valuable arm of the Government. It can be strengthened and made more useful in several ways. But the American people will never consent to delegating authority over the tariff to any commission, whether nonpartisan or bipartisan. Our people have the right to express themselves at the ballot upon so vital a question as this. There is only one commission to which delegation of that authority can be made. That is the great commission of our own choosing, the Congress of the United States and the President. It is the only commission which can be held responsible to the electorate. Those who believe in the protective tariff will, I am sure, wish to leave its revision at the hands of that party which has been devoted to the establishment and maintenance of the principle for 70 years."

The honor of being the only member of the majority in the House of Representatives to uncover the elastic tariff and its operations and review the constitutionality of the new Hawley provisions goes to the Hon. James M. Beck, M. C. of Pennsylvania, former Solicitor General of the United States. Readers of the MANUFACTURERS RECORD should send for copies of the speech which is fascinatingly interesting. A few sentences give an idea of the whole:

"The President is to determine what is called an 'inequality in the conditions of competition', and then the President is authorized to raise or lower any item in the whole tariff structure in his sole discretion in order to adjust the country to what he calls an inequality of competition. He would be as arbitrary as a Tudor monarch. I should be amazed if such a principle should become a law. But as to the question of protection, are you not playing with fate when you, as the friends of protection, put this provision in the law? It is a beautiful law so long as you have a high-tariff President. You do not have to wait for Congress to propose anything. As the exigencies seem to justify, the President sends for the Tariff Commission and tells them to make a report upon this or that duty, and up goes the duty. But are you so certain that three years or seven years from now we will have a high-tariff President?"

The landing and the entering into our markets of their merchandise and products is a privilege granted to foreigners and not a right. Yet our customs laws grant conditions to them which we do

not grant to our own citizens. The invoice of foreign merchandise may go through all procedure of the Treasury Department, U. S. Customs Court and Customs Court of Appeals without expense, and domestics have only one cumbersome form of appeal through the Secretary of the Treasury, for consideration which, I am informed, has not been utilized a dozen times under the Act of 1922. On top of or in addition to the disadvantages of domestics by law in procedure, the elastic tariff, enlarged and extended by the Hawley bill, offers a continual threat to American industry of action which may be injurious, indeed disastrous in any given line. Now, supposing that Governor Alfred E. Smith, with his ideas of handling one paragraph or schedule of rates at a time were in the White House; he would, presumably order an investigation of the cost of production at home and abroad of the article or articles under consideration. When the report would be received, he would promulgate such rate of duty as he would see fit, up or down, for the President is not compelled to follow the report of the Tariff Commission nor its deductions.

The elastic tariff is another and new departure in handling importations or the effort to equalize the real difference in cost of production between foreign and domestic products. Administered by the Tariff Commission which is compelled by law to make its own investigation, this elasticity demands another set of American agents to approach the foreign producer who has already been covered by the Treasury Department or Commerce or State Departments, thus creating conflict of inquiry and bad feeling toward the United States. Foreigners are generally fearful of government agents and especially of American. Nearly all the information heretofore gathered by the Tariff Commission for enforcing the elastic tariff rests in the Treasury Department or with the appraising departments, but the Tariff Commission cannot use this evidence, so its agents have agreeable trips to many parts of the world to confirm information already at hand.

Under the Hawley bill there is provision of appeal to the U. S. Customs Court of Appeals for review of its findings of the Tariff Commission. Here we have more "wheels within wheels" and more opportunity for the efforts of the customs practitioners, who are the great drawback to effective administration of our tariff laws.

The elastic tariff affords members of Congress an escape from doing their duty and affords customs officials escape from enforcement of the tariff as written. Both say: "Well, if the tariff as written or enforced is not satisfactory, go

to the Tariff Commission for relief." Here again we have responsibility avoided which seems to run through the entire tariff system.

The U. S. Tariff Commission under the Hawley bill, if enacted, will become a legislative court and not a fact finding agency. It should, in my judgment, be moved back to its original purpose. It should gather information from every source, facts for the consideration of the

Congress and the President, but with its delegated legislative authority annulled. The moment we add legislative authority to research we largely destroy the value of information gathered, for human nature is human nature.

We should have a minimum tariff adequately protective to all competitive American products but, if an elastic tariff must prevail, let the U. S. Senate please make it upwards only.

## New Orleans Finds Profit in \$144,000 Annual Advertising Program

Indication that honest, businesslike, practical advertising is a remunerative investment, rather than a non-productive expense, is given strongly in a report presented by the New Orleans Advertising Committee for 1928-29, as of June, 1929. Four hundred and thirty-nine "worthwhile" replies to the advertisements were received and almost an equal number of "casual" replies from "individuals" not classified.

The business replies were thus divided: Industrial prospects, 173; distributional prospects, 21; foreign distributors, 6; investment prospects (banks, bond houses, insurance companies, etc.), 95; engineers and contractors, 28; railroads, steamship lines, etc., 50; real estate and agricultural, 11; editors and publishers, 38; advertising agencies, 17. The report also says: "We could, if we wanted to, draw up for you a very impressive list of new enterprises established in New Orleans within the past 12 months, and of already-established enterprises which have expanded"; but these details are omitted.

The civic advertising movement was started by 1600 New Orleans business houses, which subscribed approximately \$144,000 a year for three years, to be used "in an effective presentation of the advantages of New Orleans to the industrial investors of the Nation." The fund was turned over to a committee of 16 men, to be administered under direction of the Association of Commerce, "so as to bring the greatest possible return in new industry, in new payrolls and in new prosperity to New Orleans." Foundation was laid by the employment of Frank V. Dunham to make an analysis of the New Orleans industrial situation and of the Coleman Engineering Company as engineering consultants, and on their findings a practical campaign was outlined. In the advertising schedule, through the Chambers Agency, the committee used national publications, including the Saturday Evening Post, New York Times, Chicago Tribune, MANUFACTURERS RECORD, Traffic World and several trade publications, making a total of 11 of all kinds, and outdoor advertising also was utilized. Much other convincing printed material was distributed, 10,000 photographic reproductions of New Orleans scenes were struck off and about \$3000 was spent for "missionary" travel and the entertainment of visitors.

"It is not an easy job to sell any city industrially, regardless of its advantages," the committee explains, and "keeping pace with other aggressive communities, especially Southern communities, is going to be a real job and one that will challenge our continued interest and constant thought."

The New Orleans National Advertising Committee is composed of: Chairman, William Pfaff; vice-chairman, C. S. Williams; secretary, Wilson S. Callender; J. C. Barnes, H. C. Berckes, H. Van R. Chase, A. D. Danziger, Fred W. Ellsworth, Cartwright Eustis, Charles H. Hamilton, Mayer Israel, A. M. Lockett, D. D. Moore, Sidney W. Souers, Hugh E. Vincent, T. Semmes Walmsley and J. F. Wigginton.

In the Industrial Bureau are Herbert B. Flowers, chairman; H. J. Malochee, vice-chairman, and George E. Schneider, secretary, while assigned to the bureau are L. M. Turnbull and F. V. Dunham as traveling industrial commissioner. Mr. Ellsworth is chairman of the publicity committee and P. J. Rinderle and C. M. Lammond are assistants to Secretary Callender.

### \$700,000 Apartment Building

Washington, D. C.—The Mintwood Corp. has applied for a building permit to erect a \$700,000 8-story apartment structure at 1845 Columbia Road, to contain 119 apartments. Louis T. Rouleau is the architect and the R. P. Whitty Co., Inc., general contractor, both of Washington.



# Rural Electrification in Virginia

Committee Appointed at Conference Called by Governor Byrd Adopts Plan for Extension of Rural Lines

By JULIAN A. BURRUSS, President, Virginia Polytechnic Institute.

A JOINT committee composed of three representatives of the state and three representatives of the power companies, was formed at the recent conference called by Governor Byrd, and charged with the responsibility of preparing an acceptable plan for rural electrification throughout Virginia. The writer was chairman of this committee, the other members being chairman W. E. Carson, of the State Conservation and Development Commission; Hon. W. Stuart Moffett, member of the General Assembly; president W. E. Wood, of the Virginia Electric and Power Company; manager J. W. Hancock, of the Appalachian Electric Power Company, and vice-president F. W. King, of the Virginia Public Service Company. The committee adopted a report which promises to lead to rapid development of rural electrification in the state.

Four elements are recognized as necessary: Rural consumers educated to the practical use of electricity; utility or other agencies to supply electric current; an educational agency to instruct and guide; and a supervisory and judicial agency. The agricultural engineering department of the Virginia Polytechnic Institute is regarded as best suited to perform the educational function of instructing and guiding the farmer in the use of electricity and assisting the utility companies in understanding and working out the problems of serving rural consumers. The State Corporation Commission is logically and legally the state body to assume supervisory and judicial responsibilities.

It was decided to adopt a plan now in operation in Pennsylvania with certain modifications. It is not proposed to set up an additional agency, it being generally accepted that agencies now existing are adequate.

The plan for extension of rural lines is in the form of a rule adopted by the State Corporation Commission as part of the government of electric light and power utilities. Provision is made for the consumer's contribution to construction costs through the sale of labor and materials to the utility concerned. Standards of construction are left to each utility, subject to the supervision of the Corporation Commission.

Consumers served shall guarantee a monthly payment to the company under appropriate rates equal to a certain per

cent of the total construction cost of the extension, and apportioned among those to be served in the ratio which the minimum monthly payment specified in the applicable rate bears to the total of all such minimums in the contract for service from the given extension.

The plan makes the contract period anywhere from one to four years. Terms will depend on the percentage of construction costs to be paid each month as fixed by the utility. Length of the contract will depend on the percentage fixed, and naturally the minimum guarantees will be higher on short time than on a long-time contract. Whenever in a period of two consecutive years the income from a line is equal to the cost, the initial guarantee will be waived by the company and further operation will be on standard terms and tariffs. The utility companies in general assume that consumption of current will increase and that by the end of the period the consumption of metered current will be above the minimum guaranteed.

Every utility shall make line extensions in the territory in which it operates in accord with the plan, provided applicants on such extensions shall, after an establishment of credit, contract for payment for electric energy at the specified rates. The utility is required to file with the Corporation Commission details of conditions under which it will make line extensions. It will construct, and thereafter operate and maintain at its own cost, extensions for any consumer or consumers who will guarantee revenues in sufficient amount to comply with the prescribed requirements. Appropriate annual adjustments shall be made in the revenue on account of change in the number or classification of consumers. Estimated cost of construction of the line extension is to be divided by the guaranteed annual revenue therefrom, in order to determine the period for which contracts are to be made, such term not to be less than one year nor more than four years. At expiration of the initial period, contract may be renewed annually without increasing the minimum guarantee.

The utility is not required to install or pay for facilities on the private property of a consumer except metering equipment, transformer, and the first 100 feet of service wires, but the consumer shall provide and maintain such other

necessary equipment in a manner to conform with requirements of recognized inspection service. Additional consumers will be connected upon the same terms and conditions as if the extension were being made to all consumers, including the new ones.

The Virginia Polytechnic Institute, which is the state agricultural college, through its department of agricultural engineering is playing an important part in this rural electrification plan. In addition to educational and other practical service given by an agricultural college, this institution is performing a valuable service in aiding farmers to decide whether they can use electricity, and also in understanding and putting into effect the agency by which that service may be secured. And utility companies are attaching to their staffs specialists trained in engineering at the state agricultural college, to be contact men on rural extensions.

## Florida Eases Tax Penalties

Under a law which recently became effective, Florida will collect many thousands of dollars in taxes and at the same time give relief to many taxpayers. If county and state taxes delinquent prior to January 1, 1928, are paid before next December 31, the state and county will forego the customary 25 per cent penalty and will collect only 8 per cent penalty, giving a benefit of 17 per cent on all delinquent taxes of last year or previous years.

## \$1,000,000 Gas Compressor Station

Sterlington, La.—General contract for erecting a \$1,000,000 gas compressor station here has been awarded by the Arkansas-Louisiana Pipe Line Co., a subsidiary of the Arkansas Natural Gas Corporation, Shreveport, to the Republic Construction Co., New York. The station will be used in connection with the company's 100-mile, 26-inch gas line under construction from the Monroe gas field to Shreveport and will also be connected with a 16-inch line to El Dorado, Ark., recently acquired. It will consist of a 10,000-horsepower unit, ultimately to be increased to 16,000 horsepower.

# The Texas Grapefruit Industry

Lower Rio Grande Valley Has 3,419,000 Citrus Trees Planted, of Which 2,403,000 Are Grapefruit—1,500,000 Trees Estimated to Be Planted During 1928-29 Season

By GEOFFREY E. GOVIER, San Antonio, Texas.

**A** DEVELOPMENT of which Texas is very proud is the transformation of a vast area of virtually waste land into an elaborately irrigated system of citrus groves of great commercial worth. Prior to 1910 there was some slight interest in the cultivation of citrus fruits in Texas and the industry was introduced to several counties along the coastal plain; but the development was not vigorous. There were only 883,406 trees in the whole state, the total largely made up of Satsumas grown in the Galveston-Houston district. Between 1910 and 1920 citrus canker ravaged the industry, while the freeze of 1917-18 wiped out many groves, so that the total diminished to 123,951 trees of bearing age in 1920.

Subsequently citrus culture was introduced in the Lower Rio Grande Valley, the center of extensive developments of the past few years; most of the trees being located in Hidalgo, Cameron, and Brooks counties, with smaller plantings in Willacy, Starr, Kenedy, Kleberg, Jim Wells, Nueces, San Patricio, Refugio, Zapata, Webb, Dimmit, La Salle and Frio counties.

The area rapidly developing for the cultivation of grapefruit is made up of three benches: The first parallels the

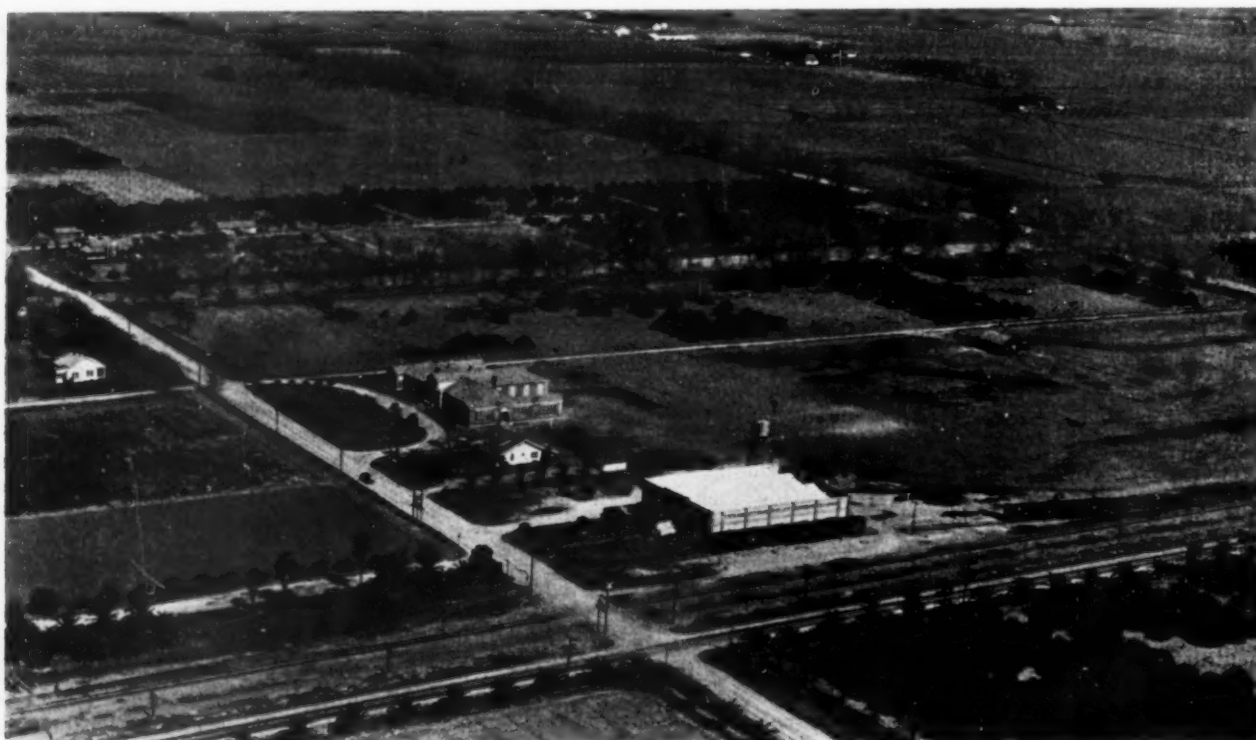
river and during the rainy season is occasionally flooded by the Rio Grande; the second rises 30 feet from Weslaco to Mission, while another 30-foot rise is located farther west; the Mission section takes in the third rise. The second rise of 30 feet connects with the coastal plain south of Weslaco, and stretches north to Raymondville. Drainage in the Lower Rio Grande Valley is east and north, and in the upper valley it is east and south.

Citrus culture thrives in the fertile soil of the valley, and at present the use of fertilizers is not necessary; grapefruit of superior quality can be raised at low cost.

The climate of the lower valley is semi-tropical and semi-arid so that under irrigation crops can be grown any month in the year. According to Weather Bureau records, precipitation is greatest along the coast, gradually diminishing toward the interior. More than 456,000 acres are now under irrigation, and several other large projects are to receive attention. There are 12 irrigation districts serving a gross acreage of 516,700, of which more than 456,000 acres are irrigable. Total value of the irrigation works in the valley is estimated at \$13,594,000. Irrigation water is supplied

by systems that range in size from that of the West Brownsville plant, which furnishes water for 2000 acres, up to the Mercedes plant, which waters an area of 100,000 acres. Water for each system is supplied by a principal pumping station on the Rio Grande. In the upper valley there are systems that have two and even three lifts, each of approximately 30 feet.

According to the Texas Department of Agriculture, a count made in orchards of varying sizes in every part of the Rio Grande valley, and covering approximately 1,000,000 trees, showed that plantings are in the proportion of 68 per cent grapefruit, 28 per cent oranges and 4 per cent miscellaneous. During 1920-21 300,000 trees were planted, of which 50,000 were valley grown. In the 1921-22 season, 200,000 trees were planted, 70,000 being valley grown; in the 1923-24 season, approximately 440,000 trees, of which nearly 230,000 were grapefruit. Planting has been limited only by the supply of trees; the surplus on sour stock from both Florida and California, together with trees grown in the valley have not been sufficient to meet the demand. Valley nurserymen are realizing this deficiency, and are generally increasing their plantings of



Air View of Texas Citrus Fruit Growers Exchange and Surrounding Groves





Modern Citrus Fruit-Packing Plant in Lower Rio Grande Valley

sour stock, to be able to supply their trade; at no distant date the valley should grow all the citrus trees planted there.

According to an announcement by P. A. Hoidale, Federal inspector in charge of work in the Rio Grande Valley, on July 26, 1928, the census of citrus fruit planted to orchards showed 3,419,157 trees, with Hidalgo county leading with 2,130,942 trees. There was a total of 2,403,646 grapefruit trees. By districts, the Pharr-Edinburg district in Hidalgo county leads with 663,102 trees; the Mission district is second with 527,642 trees. The census does not include nursery stock, which runs into several hundreds of thousands of young trees not planted to orchards.

Approximately 60,000 acres were planted in the spring of 1928. According to an estimate of citrus plantings for the present 1928-29 season by A. T. Potts, Harlingen, Texas, horticulturist, who recently completed a survey, approximately 1,500,000 trees will be planted to orchards. Last season 1,204,273 trees were planted.

The Texas grapefruit is noted for its excellent flavor, and at present the demand is greater than the supply. Commercial shipments of citrus fruits of importance from the Rio Grande Valley were made first in 1921-22, when 54 carloads of mixed fruits were sent out. In subsequent years, grapefruit shipments increased rapidly and during the 1927-28 season the total number of boxes leaving the valley was 378,060, while 485,720 boxes were shipped in 1928-29.

In the irrigated district there is now no town more than five miles from a shipping point, as a result of extensions made recently by the Missouri Pacific and the Southern Pacific railways.

Packing plants have been established throughout the valley, and those organized by the Texas Citrus Fruit Growers Exchange have been very successful. This is a co-operative organization and any citrus grower may take stock in the exchange.

Methods employed by the packing plants of the exchange are typical of the better plants in the valley. After the fruit is picked it is taken to the packing house, received on a conveyor and carried to the basement, where it is allowed to cool for two or three days, causing the fruit to shrink slightly. When properly cooled it is conveyed to a washer, where it soaks in water for ten to fifteen minutes; then it is conveyed to cleaning brushes over which a spray of water is pouring. The brushes constantly revolve, causing the fruit also to revolve, thus cleaning it from all sides. From the brushes the fruit is elevated to the drier, where a series of fans circulates air over it for about 20 minutes, thoroughly drying the fruit and preparing it for the sorting table where the grades are separated and conveyed to the various sizers.

Sizers consist of a series of rolls with openings to which fruit is conveyed by a belt, until it reaches the proper sized opening, when it drops into a bin, carefully padded to prevent bruising. Sizers are mechanical in operation and exceedingly accurate.

Packers take the fruit from the bins, wrap it in paper, and pack it in standard size boxes. The fruit runs from 28 to 96 to the box. Packing is done by contract, the usual scale being from six to eight cents per box for grapefruit. The box is taken to a press where the lid is put on, leaving a center bulge of one and a half to three inches and after the lid is nailed, the center where the bulge is greatest is strengthened with three-eighths inch galvanized strapping.

All boxes are printed on the side with the firm name or the selling agency, and the particular brand is pasted on one end with a lithographed label, making an attractive package.

As a direct result of the growth of the citrus industry and particularly grapefruit, the population in the Lower Rio Grande Valley has rapidly increased. Over 30 new townsites have sprung up; many of these are now substantial and

thriving towns. People are flocking to the valley from other parts of Texas, also from many Northern and Eastern states and particularly from the Middle Western corn belt. In Hidalgo county, for instance, the most important center of the grapefruit industry, population has increased from 15,547 in 1920 to an estimated total of 75,000 in 1928.

#### Engineers to Meet in South

From reports recently submitted, the management of the convention to be held by the National Association of Power Engineers at Chattanooga, September 9 to 13, expresses assurance that this first gathering of the organization in the South will prove one of the most successful. All the exhibit space on the upper level of the convention hall has been rented and space on the lower level is going also. Northern members of the organization are reported as especially interested in the convention, because of its session in the South. The National Association of Power Engineers embraces 19,000 engineers, and all non-member engineers will be equally welcome. Information on exhibits may be obtained from Frank N. Chapman, care A. Leschen & Sons Rope Company, 5909 Kennerly avenue, St. Louis.

#### Low Bid on Hospital

Washington, D. C.—The Virginia Engineering Co., Inc., Newport News, submitted the low bid at \$694,000, for constructing a medical and surgical building for St. Elizabeth's Hospital, Anacostia. The Marsh Elevator Co., Baltimore, presented low bid at \$11,440 for elevators. In addition to the building, general construction will include connecting corridors, roads, walks and drainage, excavation, and the removal of a one-story contagious building to another site. Specifications were prepared by the Construction Division of the U. S. Veterans Bureau, Washington.

# Vertical Alignment of the Farming Industry

By DR. C. B. WARNER, Biloxi, Miss.

[In the following article Dr. Warner, the owner of three plantations in Mississippi, suggests that cotton manufacturers and cotton growers get together through a committee of experts in each line to work out some possible plan for co-operation between those who grow the cotton and those who spin it. Co-operation and combinations are the order of the day. There is no question of the need of closer working arrangements between growers and spinners if some plan can be devised by which this can be brought about. As a cotton grower, as a rice grower in Arkansas and as a beet grower in the West, Dr. Warner can speak from the viewpoint of one who knows the farm problem.]

In the course of a letter referring to his experience in studying the matter to which his article refers, Dr. Warner writes:

"It has been a belief of mine that the farmer suffers from too much unsound advice, and as much of our best brains and influence centers in the Industrial East, I made two trips to New York last year. I count as friends to this plan many financial and industrial leaders and cannot give too much praise for the efforts of Mr. Owen D. Young and the National Industrial Conference Board.

"Certain political leaders, interested in the farm movement, have also interested themselves in my plan, but I have not pushed that feature, for I realize that politicians are controlled, and I know that if the farmers, industry, and finance can agree, Congress will be glad to act favorably on this vexatious problem. As it is, those who have taken the farm problem to Congress find it to be a football over which there is great dissension.

"If the farmer will consider himself as an industrial unit and align himself with the industrial units above him in those places where there are points of contact, he can win the success that other industrial units have had, and by his own efforts. If industry will recognize the farmer, admit him to its folds, then will these groups find there will be great benefit to both by the realization of this sound economic policy."

Both Dr. Warner's letter and his article were written of course before the passage of the Farm Relief bill.—Editor MANUFACTURERS RECORD.]

**E**VERYONE admits that the farm problem is serious, and that for the past eight years promises for relief have been made but not fulfilled. The situation grows more acute and, in farming centers, bank failures, mortgages, and bankrupt proceedings are prevalent. These conditions affect the prosperity of

the nation. It is a situation that calls for assistance from every quarter.

We have an immense group who cannot get together and agree on a definite policy; each farmer has his own pet theory as to how relief should be gained. He has not the inclination nor the money to hire the technical expert to make a scientific survey of the problem, such as a rich industrial corporation might do. Instead, he listens to all kinds of theories, and at the last becomes the football of the politician.

The farmer may secure relief through a more just tax system; by better transportation rates; by regulation of the cotton and wheat exchanges, and by a limitation of new lands opened up for agriculture by the government. The main remedy, however, is the adoption of a proper system of marketing, so he may get a fair price for his product. As marketing is an economic procedure, it follows that a proper system is one that follows sound economic lines.

The plan I wish to present is unique in that it regards the farm as an industrial unit. Being such, it should follow along the lines found useful in other industrial units and reap the reward that has come to industry generally. This success can be attained through its own initiative without large subsidies or government control, yet the plan is elastic and can operate to advantage if desired to work jointly with plans now before Congress.

The modern trend of business is toward co-operation of large units formerly antagonistic. Fortunately, these units discovered it was much better to stop fighting and come to an agreement that would secure each unit a fair income. Sometimes this co-operation was extended laterally between industrial units of the same kind; at other times there was a vertical alignment between units of different types, which had a common interest.

At first there was much hardship in establishing co-operation, with hatred, jealousy and mutual distrust to overcome; there were economic difficulties that had to be ironed out and the public was fearful. Today this co-operation is almost an economic necessity. We see the benefits that come from agreements between capital and labor, and from other types of contracts between various groups of industry, all working harmoniously.

To succeed, the farmer must view his industrial unit in its relation to other

industrial units. Too long he has been isolated and that isolation, often called independence, has brought his ruin. As the farm product comes from the soil, it naturally follows that, in the production of a manufactured article, the farm may be considered as the lowest unit in that chain of production. Economic contacts will be with units above, and that is why my plan has been given the title, "Vertical Alignment of the Farming Industry."

In this short article it is not possible to go into much detail. Rather it is desired that interest may be aroused by this outline, and that it may bring forth some suggestions as to how it can be improved. The farmer is competent in his own field; he knows how to raise crops. In the economic and industrial fields, however, there are many points he can learn, and it is now that he should gain this knowledge.

There are two phases to this subject: Improvement in marketing under present conditions, and raising the price of farm products by limitation of output. My plan contemplates both phases, but this article will be limited to the first, and in order to simplify the discussion I will apply the principle of vertical alignment to cotton, although any other farm product could be taken as an example.

The cotton planter is being ruined by cheap Oriental labor, but does not realize it because the Asiatics live so far away. These Orientals can live on six cents a day and therefore are able to produce raw silk at so low a price that cotton cannot compete. The vessels, coming across the Pacific, are loaded with silk, the domestic silk trade being enormous compared to ten years ago. Labor and manufacturers are quite well protected against cheap foreign competition by legislation, and the cotton planter must follow along that line.

Antagonism between the cotton spinner and the cotton grower is disastrous to both. Naturally, the spinner wishes to buy his raw cotton as cheaply as possible, for he must compete with silk, rayon, and other fabrics. He is often accused by the cotton grower of spreading false reports concerning the cotton yield in order to break the market; on the other hand the cotton planter is ever alert to take advantage of the situation for a raise in cotton. It is a mistake. These two textile units, vertically aligned, should co-operate and be the closest friends.

The planter makes a mistake in keeping his eye only on the price of raw cotton; he should also observe the price



of cotton fabric, for how can the spinner pay a good price for raw cotton unless he is able to secure a good price for his finished cloth? It is essential that the grower and the spinner get together to stabilize the price of cotton. It has been done in other industries, and there is no reason why it cannot be done in this. Even in agriculture this principle has been put in operation. In Colorado, the farmers through their association enter into a long time contract with the sugar factory, so that in the spring the farmer knows exactly what he will receive for his beet pulp when it is harvested.

If the grower and the spinner were able to get together on the price of raw cotton, it would cut out enormous waste of labor, for one of the present complaints is that there are so many middlemen between producer and consumer. Also with a set price, speculation in cotton would be a thing of the past. Many spinners have informed me that fluctuations in the price of raw cotton were as disastrous to them as to the grower.

The matter of price adjustment is not so simple, for the spinner must realize that his fabric comes in competition with other fabrics. As a matter of fact, the

whole textile industry is shot to pieces by unwise competition. Nearly every other large industry has adopted some plan of co-operation, but the textile industry has lagged behind. If a small group of leaders, comprising each unit of the textile group, would attack the textile problem in a scientific way and along lines already successfully worked out by other industrial groups, it would prove of immense value. We have had strong leaders among cotton growers and in the textile industries; they have done wonders but they have not gotten together.

A conference should be arranged to plan ways and means for industrial efficiency and to recommend to Congress such tariffs and sales taxes as may be necessary, and this without curtailing the present profits of the various units.

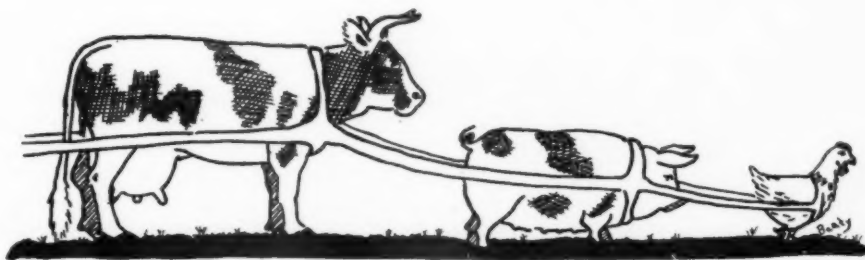
This plan, and its companion plan for limiting the farm output, has been widely endorsed by farm and industrial groups and it is now being published for the first time. This first half of the plan must be considered along with the idea of a limited farm product for, unless the amount of farm products can be controlled, no plan can succeed.

## A Sermon in Diversification

The Board of Commissioners of Sumter County, Sumter, S. C., is preaching the value of diversified agricultural activities, quietly but effectively, through a photograph reproduced on its letterheads, depicting the dairy cow, the hog, and the chicken as the team to pull the farming classes out of the mud and set them on the highroad to prosperity. The team is characterized by the commission as "the best boll weevil remedy" and further as "the team that will most effectively capitalize our system of 137 miles of hard-surfaced roads."

This example could well be emulated by county commission boards throughout the South for, to a large extent, the continued prosperity of the farming classes

is dependent on broad diversification in the growing of crops — feedstuffs and foodstuffs—and in the expansion of farming activities to include the raising of poultry, hogs, beef cattle and dairy cows. Although some progress has been made towards stimulating agricultural diversification, the South continues to be predominately a one crop section so that there is great need for educational work on the part of agricultural agents, civic clubs, chambers of commerce, boys and girls farm clubs and similar organizations. The success with which a statewide campaign in Alabama in the interest of agricultural diversification was conducted, as described in the MANUFACTURERS RECORD of May 2, should be an inspiration to other counties and states in the South.



## Proposals for Farm Relief

At an "All-States Conference" in Washington, recently, preliminary to the American Farmers Rally, to be held under the auspices of the American Chamber of Agriculture next November, the following resolutions were adopted:

"(1) To enlist the best thought and ability in this country to aid in restoring prosperity to Agriculture, place farming on a level with other industries and enable farmers to attain their economic freedom; (2) to aid the farmers in solving their most pressing business problems, adopting the best methods for regulated production and stabilized marketing of farm products under farmer controls; (3) to foster farmer owned and farmer controlled marketing organizations; (4) for establishment of commodity marketing boards, operating under State and Federal authority, each standard commodity organized as a separate commercial unit under control of its producers; (5) to advocate State and Federal licensing of commission merchants; (6) to proceed with plans for holding a Nation-wide rally of American farmers next November, the place and date to be announced later; (7) adopting necessary measures for attracting national attention and sympathetic concern in the needs of the agricultural industry, farming and farm life; (8) to stress the need of more practical, and less theoretic farming—fewer theorists and more dirt farmers."

In the organizing of the American Chamber of Agriculture eight zones, covering the farm interests of each section of the country, and 48 State units, or chambers, were provided for; also, a representative membership on a national scale.

## Vermont Bank Acquires Atlanta Properties

Atlanta, Ga.—Garden Hills, one of this city's leading residential developments, has been purchased from the Garden Hills Corp. by the Montpelier Savings Bank and Trust Co., of Montpelier, Vt., for a consideration of \$600,000. About \$1,500,000 is said to have been expended in the development of the subdivision, including the erection of approximately 100 homes, providing swimming pool, driving academy, civic center and landscaping. The undeveloped portion of the property comprises about 200 lots of large dimensions. As part payment for the property, the purchasing company conveyed to the F. G. McDuffie interests, owners of the Garden Hills Corp., 40 farms in Southern Georgia, embracing a total of 12,000 acres. The Montpelier Savings Bank & Trust Co. recently purchased the Country Club Estates here, a northside subdivision, on which it is carrying out an extensive development program, and at the time of its latest deal it also acquired three commercial buildings on Houston street.

# Tennessee Authorizes Big Power Project

**Holston River Power Company Plans Three Large Dams and Power Plants—Construction of Project May Mean Additional Expenditure of \$25,000,000 to \$35,000,000 by Parent Company**

The recent action of the State Railroad and Public Utilities Commission, Nashville, Tenn., in granting a permit of convenience and necessity to the Holston River Power Co., a subsidiary of the American Cyanamid Co., New York, for the construction of three large power dams on the Holston River in eastern Tennessee, holds promise of a big advance in the industrial development of that section of the state. The issuance of the permit by the state commission is a preliminary step to the application and final hearing for a permit before the Federal Power Commission, and it is said that it is the first time in the history of the state that the Tennessee commission has issued such a permit for the development of any of its resources.

The authorization of this project, which will be located about 70 miles from Knoxville, brings the entire East Tennessee Valley into prominence as offering vast industrial opportunities because of its potential hydro-electric power possibilities and its natural resources. If the development is finally authorized by

the Federal Power Commission, it may mean the expenditure, it is thought, of \$25,000,000 to \$35,000,000, as the Holston River Power Co. based its application largely on a statement that the construction of the power project would be followed by the construction of a huge plant in East Tennessee. This is taken to mean that the American Cyanamid Co. will make this expenditure as soon as a power source is assured.

Present plans of the Holston River Power Co. contemplate the construction of a 79-foot dam about six miles north of Kingsport, to generate 24,000 horsepower; a 135-foot dam below the south fork of the Watauga and Holston rivers to generate 30,000 horsepower, and a 130-foot dam near Bluff City on the south fork of the two rivers.

The application of the company was granted subject to the following conditions: That the company submit to the jurisdiction of the commission; that work start on core drillings, soundings and explorations for foundations within 30 days after action by the Federal

Power Commission; that the certificate be non-assignable, except with the consent of the commission; that the company at all reasonable times submit its books to the commission and, if operating as a public utility, keep its books within the state; that the operator keep out of all trusts or unlawful power combines; that the company sell as much current for public purposes as the commission, from time to time, may demand, and that construction plans be submitted to the commission for approval to assure public safeguards. Further requirements assure that all persons affected by the backwaters to be caused by the dams shall be properly safeguarded.

The Holston River Power Co. plans a continuous and comprehensive development of the river as a whole to conserve and utilize the water power resources of the river to the best interests of the public, afford adequate control for storage regulation, promote flood control and navigation and benefiting power projects on the rivers into which the Holston River flows, it is said.

## Building Activity and Money Lending at Miami, Florida\*

**The Effect of High Money Rates and Stock Market Speculation on Real Estate Financing and Activity in Miami District**

By HOLLIS BUSH, Investment Banker, Miami.

The situation in the Miami district is somewhat confusing if looked at in a general way, and in order to understand it clearly, it is necessary to make an analysis that will show the different influences and conflicting forces that are affecting the general trend.

In normal times the Miami district is unusually sensitive to national conditions on account of the large non-resident ownership of real estate and real estate securities. Also, the diversion of individual and corporation funds from real estate and other securities and from real estate investments, into the call money market and stock speculation would, we believe, have a more noticeable effect upon the general real estate situation in Miami were it not for certain counter influences and forces that are at work.

Of course, the general credit conditions and stock market activities are undoubtedly having their effect in the Miami district and are acting to retard our recuperation and tendency towards normal conditions, as is the case all over the country. But as suggested, there are certain other conditions tending to offset, in some measure at least, the effect of the national situation on the peculiar conditions in Miami, one point being the probability that certain profits to individuals realized from stock speculation have found their way into the Miami area and are being used in the building of homes and other improvements.

In order to make this situation clear it is necessary that we point out the favorable influences and attempt to prove their effect. The Miami district, especially in certain well located sections, is undoubtedly recovering strongly from the depression that followed the collapse of the 1925 land boom. The improved

attitude of both resident and non-resident owners of property is having a very definite psychological effect and increased confidence is reflected in many ways. Valuable property is passing into strong hands on a basis in line with values as determined by income under actual operating conditions. Here we have one of the strongest supporting elements of value, namely, able ownership. In this connection it should be kept clearly in mind that while the equity holder has suffered severely in the working out of the hotel and similar building situations, the bond holders on a long time basis are adequately protected. For the first time in three or four years the Miami district now shows "good" on the business map of the United States.

There is a very marked tendency towards the consolidation and drawing-in of business and residential sections to more central locations. This movement is giving sound income value to well located properties and to buildings prop-

\*Paper read before the Mortgage and Finance Division of the National Association of Real Estate Boards, Boston.



erly designed for useful purposes. The complete breaking down of prices has been, for the most part, in outlying districts or in areas that did not at any time have elements of true value.

The principal part of the building programs for the last two years has been well built and well located homes, most of these being built by the owners.

While mortgage companies who depend on selling bond issues are comparatively inactive at this time, yet the buying of mortgages on good properties in this district by individuals has shown a very decided and encouraging increase over last year and large loans are being made by large insurance companies on valuable business properties for long terms and at reasonable rates, usually at six per cent interest.

Perhaps one of the most important and significant changes is the realization of the people and of the local governments of the necessity for industrial and agricultural development in order to provide a year round income and to give steady employment to our permanent population. The tourist business however important is now being considered, as it should be, as one form of industry.

The industrial development has an important part in this discussion. In so far as the entire State of Florida is concerned it is interesting to note that the manufactured products of the State have a value double that of the agricultural products. The last figures show manufactured products valued at \$270,000,000 per year as against only \$135,000,000 for all agricultural products. These and other activities are reflected in an export and import tonnage from all Florida ports (seven) that exceeds the import and export tonnage of the large and long established port of Boston, and in 1926 was approximately equal to the entire tonnage of Boston and Fall River, about 3,000,000 tons.

Industrial and agricultural development is also shown in the individual bank accounts of the people of Florida, the per capita amount for open checking accounts being \$275 as compared with \$154 per capita for 13 Southern states. The individual savings account for Florida is \$113 as compared with \$60 per capita for 13 Southern states. While savings accounts are smaller than heretofore, yet there is now more activity and interest in saving than has previously been shown in the Miami district.

Rapid development of aviation in the Miami district is typical of the industrial activity there. During the first quarter of 1929, 35 airplanes flew a total distance of 500,000 miles, or 20 times around the world, carrying 14,000 passengers without a single accident, and about 1200 pounds of airmail is being carried into and from Miami every day.

The capital investments in airports and landing fields is over \$500,000. Fifty planes valued at over \$2,000,000 are based at Miami. Maintenance and operation of these planes produces an annual payroll of over \$600,000. Miami is the logical and will undoubtedly be the greatest international airport in this country, serving all of the United States east of the Mississippi River, South and Central America and the West Indies.

The above figures are presented as fundamental and essential to this discussion on the basis that in the ultimate analysis the sound economic value of all real property depends upon the earning power of the population. We see, then, the interesting play of opposing influences and contending forces, the tendency of money to flow away from real estate investments met by an increasing confidence that doubled 1927 real estate sales and produced in 1928 sales of \$15,000,000, over \$10,000,000 of which were for all cash, with speculation almost entirely absent.

The tendency of money to be attracted by chances of tremendous profits in stock speculation was met by the ever increasing desire of people to live in greater comfort and health, producing in the Miami district a building program for 1929 of over \$8,000,000 about 70 per cent of which will be for private homes. This may be compared with building permits of approximately \$6,000,000 for 1928. The average cost of private homes for three years on Miami Beach is less than \$20,000. This is sufficient answer to those who think certain parts of the Miami district are millionaire's playgrounds. Approximately 600 high class homes in the district, costing on an average \$20,000 each, built over a period of three years, is certainly sound and substantial development.

Over \$300,000 will be spent this year in improving a large tract of land in a high class oceanfront residence section preparatory to the building of winter homes at a total cost of several million dollars. This is a private development by such men as Joseph G. Graham and his two brothers, and W. O. Briggs and several of the Fisher brothers of Detroit. This is just one example of how prominent and wealthy men have built or are building winter homes in the Miami district and is a proof of its desirability both from the standpoint of its climate and also from the convenient location to the greater part of the population. Its nearness to Nassau, Havana and other West Indian points adds to its attractions and it will be, next year, within twelve hours of the large centers of population by means of well established transport air lines and less than 36 hours from these same cities by train.

You will be interested to know that

certain large improvement companies are offering a home financing plan of 15 per cent cash, 45 per cent on a straight five year first mortgage at 6 per cent interest, the balance being secured by a second mortgage with 7 per cent interest and with monthly amortization of the principal. Under this plan the total monthly payment, including interest on both mortgages is one per cent of the sales price. When the first mortgage becomes due, it undoubtedly will be renewed by the development company or by mortgage or insurance companies. Large insurance companies are making long term loans, sometimes for 15 years on well located homes occupied by the owners, at an interest rate of 7 per cent with a 3 per cent annual reduction of principal.

Another interesting item is the successful operation throughout the district of several of the national chain stores, such as Liggett's, Kress, McCrory and Woolworth. Firestone and Selberling are moving into large buildings especially designed for their use and Sears-Roebuck have a new building on Biscayne Boulevard costing \$600,000, a very unusual expression of confidence in the Miami district.

Well informed, unprejudiced and competent men have found that mortgage loans can now be placed on well located and well built business and residential properties with as much safety as in other well established cities and with a higher rate than can usually be obtained from sound mortgage investments. This is proven by the large number of individuals who are now buying mortgage securities and by the willingness of large insurance companies to place loans on property in the Miami district.

We have tried to show by definite facts and reliable figures how the rush of money towards a high market has been met in the Miami district by returning confidence and increasingly sound economic conditions. Out of the apparent confusion brought about by contending forces we have tried to analyze the influences at work and develop a clear picture in which the various factors and their effects may be seen and studied. It would seem then that as financial conditions are gradually restored to normal we will see Florida and the Miami district going forward steadily and surely to take their place in the greatest development that civilization has ever seen—the Empire of the South.

#### Plan \$400,000 College Buildings

Hendrix College, Conway, Ark., Dr. J. H. Reynolds, president, plans to erect within the next two years a science building, woman's building and a chapel, costing approximately \$400,000. An architect has not been selected.

## LETTERS FROM OUR READERS

### The Texas Cotton Seed Crushers' Association Appeals for Tariff Protection

Dallas, Texas.

*Editor Manufacturers Record:*

I know your sincere interest in Southern welfare, including that of all agriculture; I likewise know you believe in a protective tariff that will protect all American industry. I do likewise.

I have seen a copy of the agricultural schedule as passed by the House of Representatives, and it would seem that all agricultural products in the United States, except the vegetable oil industry, have had a square deal. It is a bill that takes good care of the sugar producing industry and is such as will promote increased sugar production, both cane and beet sugar, in the United States. As far as vegetable oils are concerned, no increased protection is granted except that sesame oil is made dutiable at 3c per pound. Our imports of this oil have heretofore been small, even though it was on the free list. Palm kernel oil is made dutiable at 1c per pound, unless it is denatured, under which condition it can be used in the soap manufacture, in which event it is left on the free list. We heretofore have had a tariff of 2½c per pound on soybean oil, which tariff has been effective in keeping out of this country imports of foreign soybean oil, and the imports of this oil have been practically nil. Copra is left on the free list, regardless of where it may be produced, and coconut oil, as well as copra, is free from the Philippine Islands. The major oils are palm and palm kernel, imported from British West Africa, oil produced from imported copra, left on the free list, and coconut oil from the Philippines.

Little tariff benefit can accrue to Southern producers of cotton seed or animal fats in the United States if copra and coconut oil remain on the free list, and even from the Philippine Islands. New coconut groves planted in recent years, that are coming into bearing yearly and additional trees that will be bearing by 1934, together with the present production, will bring the total Philippine production of coconut oil to an amount equal to our present annual production of cotton oil in the United States.

I feel, as a Southerner, and by reason of my knowledge of the vegetable oil industry, and as Chairman of the Tariff Committee of the Texas and Oklahoma Cotton Seed Crushers' Associations, that I should seriously call this matter to your attention. There is little doubt that unless an effective tariff is to be had, that we must produce cotton oil in all the years to come at a price of not over 6c per pound. This is the five-year pre-war average price level. As \$1.00 is

not worth over 65 cents on a pre-war average purchasing power basis, you will readily understand what it means to the Southern producers of cotton seed.

If the Congress could see its way, to give us an effective tariff of 2½c per pound on these foreign produced oils and fats, it would mean, in round figures, \$7.50 per ton increased value to Southern farmers for their cotton seed, or \$35,000,000. At the present time we are on practically a domestic consuming basis of our entire production of cotton seed cake and meal and linseed cake and meal, and with the growth of the country and an increased demand for balanced rations, we need to increase our domestic supply of protein feeds.

With an effective tariff on these foreign imported oils there is a chance to develop a soybean industry in the United States. This, of course, would mean an increased production of the soybean cake. It would utilize some land now planted to corn and wheat for this purpose. It would look as if it would be sound American policy to allow the American farmers the benefit of the American market in the things he can produce.

You have been an ardent supporter of the sugar tariff, but Louisiana and a small section of Texas are about the only parts of the South in which sugar is produced, whereas every Southern farmer who grows cotton produces cotton seed.

I am just wondering why the Congress turned a cold shoulder to the cotton seed producers of the South, and I am further wondering why there is nothing being said about it in the press. We, of course, expect to make a determined fight before the Senate Finance Committee, and hope for better treatment than we received before the House Ways and Means Committee. We are going to need all the aid we can get.

ED. WOODALL, Chairman.

[Mr. Woodall should not be surprised that Congress turned a cold shoulder to the cotton seed producers of the South when he recalls that every Democratic Congressman from the South, except 12, voted against the tariff bill as prepared by the House; and if any of these Congressmen vigorously worked in private for a tariff which would protect the cotton seed producers of the South, they have failed to make themselves known. While Southern Congressmen to so large an extent were permitting their section to be sacrificed, or really taking part in the killing themselves, the soap manufacturers, the paint and varnish people, and others who use oils of one kind and another, have ever been alert to see that their raw materials are kept on the free list.

We trust not only that the Texas Cotton Seed Crushers Association, but that all other associations interested in the prosperity of the agricultural interests of the South, will make an ardent and unending fight in the Senate for a tariff on all products which come in competition with those of the South.—Editor MANUFACTURERS RECORD.]

### The Prospective Value of Cut-Over Pine Lands in Contrast With Cut-Over Lands of Early Days in Other Sections

New York.

*Editor Manufacturers Record:*

It seems to be the fashion to sneer at Southern "cut-over" lands as if they were something inferior. The people have forgotten; in fact, this generation has never known, that all the rich farms in Pennsylvania, Ohio, Indiana, Michigan, and most of those in Illinois, and many other states, are "cut-over" lands.

Griffiths, the English traveller in his book on Ohio published in 1823, told of his trip from Cleveland south through the state—that the road was a narrow way cut through heavy timber that blocked any view in any direction with only an occasional clearing and log house as you rode through. Today there is not a sign of the forests that covered Ohio a hundred years ago and you would not dream that the farms that stretch before your eyes were all cut-over lands from which the owners have only barely finished removing the stumps.

Birkbeck in his Journals of a trip from the Atlantic seacoast in Virginia to the territory of Illinois in 1818 tells of travelling through seemingly unending forests, until coming out of the forests along the valley of the Wabash he saw for the first time the prairie, afterwards called the English Prairie in Southern Illinois.

Dickens in his American Notes tells of travelling all day from Belleville, Ill., through the forests after having ferried across the Mississippi River from St. Louis merely to get a glimpse of the prairie; there they stayed all night at a country tavern and returned to St. Louis the next day.

As late as 1855, Beste the Englishman who travelled through New York to Buffalo by the canal and then by lake to Sandusky, from whence he travelled across the State of Ohio to Cincinnati, and from there by wagon through Indianapolis to Terre Haute, tells of corduroy roads through the forests with nothing but log houses and taverns.

In my own boyhood in Indiana there were still hundreds of thousands of acres of cut-over lands that were being farmed which still had the great oak and walnut stumps that it seemed impossible to get rid of.

It is time to tell the world that Southern cut-over lands are no worse than the cut-over lands of New York, Pennsylvania, Ohio, Indiana and Illinois that now bring from \$200 to \$300 an acre. In fact, if I am any judge they are a good deal better and will respond much quicker than did those Northern cut-over farms and in the end become much more valuable. All they need is the same kind of treatment that was given to the Northern cut-over lands that are now so valuable and high priced.

GUY M. WALKER.



# IRON, STEEL AND METAL MARKET

## Steel Situation Unchanged

Pittsburgh, June 24—[Special.]—There is a further decrease in the volume of shipping orders reaching the steel mills, but even at this late date there is no visible or material decrease in the rate of steel production. The steel industry is now in one of those transitional periods that often occurred before the war when, after a period of scarcity, production was maintained partly by backlogs while the mills were catching up with their orders.

In the particular case of the wire trade, in barbed wire, fence and nails, distribution to farmers was poor in the spring as bad weather curtailed the usual spring work, which will have to be spread over the summer. Jobbers found themselves with rather large stocks at the end of May and have been ordering much more lightly this month. There was also some delay in building construction. Standard pipe has felt the same influence, but in lesser degree.

The official report of automobile and truck production, United States and Canada, shows a total of 635,528, or some 12,000 over the preliminary statement. The decrease from April, the peak month, is 4 per cent, or approximately normal. Even this month there is no more than normal decrease despite the exceptionally heavy production earlier in the year. The low point in automobile trade consumption of steel, in July, will not be more than one-third, at the outside, under the high point, when about 25 per cent of the total steel production was being absorbed by the automobile industry. Thus if steel production were sustained, not over 8 per cent of the total would be released to be shipped to other consumers, many of whom have appeared to want more steel than they were receiving. The usual experience, however, has been that when consumers are given more steel they begin calling for decreases.

Fabricated structural steel awards in May as officially reported totaled 346,500 net tons, or 12 per cent above the average in the four preceding months of the year and 27 per cent above the general monthly average of last year, which was the record year. Thus while general building is off this year fabricated structural steel work is well ahead. In the five months of the year shipments of the fabricating shops have run 11 per cent under the bookings, which indicates that steel mills will ship plain steel to the shops at a higher rate in the next few months than in the last.

While steel production has been prac-

tically maintained to date, almost three months beyond the usual time when seasonal decrease begins, it is the consensus of opinion that decreases will begin within two or three weeks at the outside. With no summer dip of any consequence an Autumn increase cannot be expected. Automobile production normally runs 15 to 20 per cent lighter in the second half of a year, while rail deliveries for replacement purposes are chiefly for the first half of a year. In these two directions less steel is in prospect for the second half. In all other consuming lines the chances as visible at present are for sustained requirements. A decrease in general trade activity would of course make a difference and of late there have been forecasts of a decrease, though trade could easily undergo a revival later in the year.

The pig iron markets remain decidedly dull, which is unseasonal, as ordinarily there would now be quite a volume of contracting for the third quarter. The iron foundries are not at all busy. Pig iron prices are not quotably changed but consumers appear to have some doubt as to their strength.

The scrap market is a shade easier in the week but all told it has held up remarkably well for the time of year. Mills have been buying very sparingly of late but there are deliveries against old engagements. Heavy melting steel is now quotable at \$17.75 to \$18.25 delivered Pittsburgh district.

## Metals Continue to Show Some Activity

New York, June 24—[Special.]—A week ago it seemed that a general buying movement in the metals was in the forming process. Though the purchasing of the past week was fairly active the buying movement did not gain in momentum, though prices of some of the major metals went some higher. Possibly the extremely hot weather slowed purchasing since consumers were inclined to devote attention to merely routine matters and not towards buying except where metals were needed soon.

Tin and zinc improved in price. Tin sales were made at over 45¢ per pound again, the high point of recent swings for which the low point has been 43½¢ per pound. Tin was strong following reports of further progress in the grouping of tin producing companies for the purpose of controlling mining, smelting and marketing. Announcement was made of the formation of the British-American Tin Corporation, which is

backed up by important producers in South America, Asia and Africa.

Zinc has advanced \$1.50 to \$2 per ton, which is particularly noteworthy in view of the long-stabilized market. The price range on prime western slab zinc became 6.70¢ to 6.80¢ per pound, East St. Louis, and purchasing was in fair volume. The principal purchasing of lead was on the part of pigment manufacturers. Copper continued virtually stagnant, the chief hope of the producers being that a large demand is backing up.

Industrial news in general, bearing on the metals situation, is in the main encouraging. However, building contracts issued so far this year are 24 per cent under the corresponding period of last year. Automobile production holds up remarkably well. The steel industry still surprises the business world by its continued pace. Though business falls far off in some directions it gains in others. It is expected that operations will be maintained at 90 per cent of capacity or better all through July.

The minor metals have shown but little change. Silver fluctuates a little more widely than usual from day to day, usually between 52½¢ and 53¢ per ounce. Quicksilver prices are the same at \$120.50 to \$123 per flask. Antimony is quiet at 8½¢ to 9¢ per pound, duty paid. Platinum has been unchanged for several months.

The principal statistics of the week pertained to world copper production in May which was the second greatest in history at 193,089 tons as against 196,820 tons in April, comparing with 156,414 tons in May of last year. It had previously been announced that refined production in the two Americas last month was 161,784 tons. Production of one of the world's most promising properties, the Union Minière du Haut Katanga in the Belgian Congo was 26,280,000 pounds as against 26,208,000 pounds in April.

Apparently the sharpest decline in business in copper fabricated form is in wire. Total shipments of refined copper to the domestic trade in May declined about 5,000 tons; decline in shipments in the form of wire bars was 4,000 tons, which tells its own story.

Meanwhile the copper market continues very dull. Export sales average about 750 tons daily and domestic business is light. The large producers are still out of the market and only the custom smelters are taking orders. There is plenty of optimistic feeling about copper, particularly in Wall Street circles, as evidenced by some sharp advances in some of the leading copper

shares. Optimism is based on the assumption that consumers are overstaying their market; that when some leader starts purchasing all will come into the market at once and perhaps boost the price of the red metal. Consumers, however, if they do not take a bearish view, at least feel satisfied that prices will be no higher and all anxiety about the sufficiency of supplies has vanished. Copper leaders state that curtailment has gone as far as is necessary.

The most important metal news of the week was the announcement of the formation of the British-American Tin Corporation. It has been asserted for many months that tin fields are over-exploited and that the precious metal is being wasted through too intensive production. It is proposed to control this production, as well as the price. Many are skeptical as to how far tin producers can succeed; in the first place it is said that low cost tin producers will not enter the combine, being satisfied with their own strategic position. Americans are not enthusiastic over a stabilization scheme, we being a consumer and dealer nation as to tin.

Purchasing of lead has been the briskest since March though prices have failed to advance. Quotations are still 6.80¢, East St. Louis, and 7¢, New York. Zinc has firmed to a range of 6.70¢ to 6.80¢, East St. Louis, an improvement of \$2 per ton in three weeks, a margin which means much to the zinc producers.

### Interest in Birmingham District Centered on Proposed Freight Rate Reduction

Birmingham, June 24—[Special.]—Expectations in the Southern pig iron market are strong for better conditions and hope is expressed that there will be no interference with the proposed reduction in freight rates to the Atlantic coast ports, which will bring reductions about July 5 to 10 on pig iron from 76 cents to \$1.16 per ton on shipments from Birmingham. Expectations of improved conditions to St. Louis through a proposed rate reduction were shattered when the Interstate Commerce Commission suspended the rate for further investigation on complaint of railroads and manufacturers in the North. The Southern furnace interests need some bolstering in demand from outside of the territory and the sale of between 50,000 and 100,000 tons of iron in the Eastern sections is assured if the freight rate reductions can be allowed to stand. As has been stated, the reduction will be brought about on rail and water haul, through Savannah.

The third quarter buying of pig iron

has not set in with the impetus anticipated. There is reasonable assurance yet that there will be requirement for pig iron in the Southern territory as good as during the second quarter but the buying ahead of time did not start in well. Cast iron pressure pipe producers assert that their manufacturing operations will be somewhat greater, that there are several specifications in hand which must be gotten out while weather conditions are favorable in all parts of the country for development where pipe is required. Prospects are bright as to new business and the shops are doing some work at night. United States Pipe and Foundry Company has its second shop in North Birmingham in operation, while the American Cast Iron Pipe Company has all departments going, much work being done at night. McWane Cast Iron Pipe Company, the National Cast Iron Pipe Company and others are participating in the little spell of activity under way. W. D. Moore, president of the American Cast Iron Pipe Company, in addresses before civic bodies here states that Southern pipe producers are responsible for 60 per cent of the pressure pipe manufactured in the country. He states further that the present year will round out a better aggregate than 1928. Pipe quotations are firm at \$37 to \$38 on six-inch and over sizes. Several specifications of considerable tonnage are still reported in sight, with Birmingham manufacturers bidding.

Survey of machine shops and foundries shows there is much business in hand. The Hardie-Tynes Manufacturing Company is completing six large compressed air machines, two for the new car works of the Pullman Car & Manufacturing Corporation at Bessemer and four for distribution in this territory. The Goslin-Birmingham Machine & Foundry Company in addition to six Webb cotton presses which are being completed and shipped out to meet the present crop has a large quantity of export machinery work—Cuba, Philippines, Brazil and other places developing sugar manufacturing works. Jones & Hernandez Machine & Foundry Company, has an order for 10,000 cooling boxes for soft drinks; sheet steel, galvanized iron, etc., being used. This order will be followed with another for 10,000 boxes and a third order is practically assured.

Steel fabricating shops are still enjoying splendid patronage, new business assuring continuation of activity.

Coal is sluggish. The coke market is fairly good, practically all by-product coke ovens being in operation. Independent producers quote \$5 for foundry coke and are shipping a little tonnage into the Middle West.

Scrap iron and steel is slow though

quite a little tonnage of various items is moving, including heavy melting steel. Quotations are unchanged but weak.

Quotations for pig iron and iron and steel scrap are as follows:

#### PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, \$15.00 to \$15.50; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$15.50 to \$16.00; iron of 2.75 to 3.25 per cent silicon, \$16.00 to \$16.50; iron of 3.25 to 3.75 per cent silicon, \$16.50 to \$17.00.

#### OLD MATERIAL.

Old steel axles .....	\$17.00 to \$18.00
Old iron axles .....	17.00 to 18.00
Old steel rails .....	13.00 to 14.00
Heavy melting steel .....	10.50 to 12.50
No. 1 cast .....	13.00 to 14.00
Stove plate .....	12.50 to 13.00
No. 1 railroad wrought .....	10.00 to 11.00
Old car wheels .....	11.00 to 12.00
Old tramcar wheels .....	12.00 to 13.00
Machine shop turnings .....	7.00 to 8.00
Cast-iron borings .....	7.00 to 8.00
Cast-iron borings (chem.) ..	13.00 to 13.50

Later: Our Birmingham correspondent wires, "Southern pig iron price base, third quarter, \$15.00, No. 2 foundry."

### National Electrical Exposition

Announcement is made of the First National Electrical Exposition, to be held in Grand Central Palace, New York, October 7 to 12, under the joint auspices of the Electrical Board of Trade of New York and the New York Electric League. Every branch of the industry will be represented. New discoveries, developments and uses for electricity will be displayed and discussed. The trade hours are from 10 A. M. to 2 P. M. daily, after which the public will be admitted.

The Exposition will be under the management of the International Exposition Company, which conducts also the Power Exposition, Flower Show, Hotel and Chemical Expositions. The show committee follows: Theodore H. Joseph, Chairman, E-J Electric Installation Co.; S. E. Kimball, Kimball Electric Co.; W. B. De Forest, Graybar Electric Co.; Harry A. Hanft, Electrical Contractor; W. B. Pierce, Edison Electric Appliance Co.; Hugo Tollner, Tollner Electric Co.; W. S. McClure, New York Edison Co.; and Earl Whitehorne, president, Electrical Board of Trade of New York and New York Electric League. Fred W. Payne and Charles F. Roth are co-managers of the Exposition.

### Country's Bauxite Comes From the South

In the manufacture of aluminum the raw material is bauxite, and the entire output of that material in 1927 was from Arkansas, Georgia and Alabama. The total ran to 320,094 tons, of which Arkansas produced over 90 per cent, according to the Blue Book of Southern Progress.



# TEXTILE

## Power House Equipment Contracts

Spartanburg, S. C.—The Fairforest Finishing Co. awarded contracts through the Spartanburg office of Lockwood Greene Engineers, Inc., to the Babcock & Wilcox Co., New York, for two 400-horsepower boilers and to the Riley Stoker Corp., Worcester, Mass., for two stokers for the powerhouse of the new finishing and dyeing mill under construction here. Construction of the mill is in progress, the general contract being handled by the Fiske-Carter Construction Co., local builders.

## Advance Textile Show Plans

Greenville, S. C.—One hundred and twenty-five applications for space have been received for the ninth Southern Textile Exposition, to be held October 20 to 25, 1929, in Textile Hall. The entertainment of visitors during show week will be in the hands of a Chamber of Commerce committee and will include a dinner, several luncheons, an exposition ball and a number of other interesting functions. The program is being developed by the president and secretary of the corporation.

## Big Rayon Plant in Production

Production began June 1 at the big Du Pont Rayon Company's plant at Amthill, near Richmond, Va., and full production is expected about November 1, with a capacity of approximately 3,000,000 pounds annually and the employment of about 1500 operatives. The new plant, located on the Petersburg road south of Richmond, is estimated to have cost around \$8,000,000.

## Weaving Company Chartered

The Puritan Weaving Co., Fayetteville, N. C., has been incorporated with an authorized capital stock of \$300,000, by Herman Cone, L. H. Sellers, Greensboro, N. C., and J. Spencer Love and others of Burlington, N. C., to operate the plant at Fayetteville of the Holt-Granite-Puritan Mills Co. Some new machinery has been purchased and minor repairs made to existing equipment.

## New Loom Reed Patented

T. K. Rea, president of the Loom Reed and Harness Co., Charlotte, N. C., has patented a new type loom reed, for which he claims greater flexibility than those now in use. The ends of the dents

of the new reed are in vulcanized rubber, so that when forcibly parted by knots and slugs passing through, the dents will immediately return to their normal weaving position. According to the inventor, this feature will avoid many breaks in the warp thread.

## Mill Nearing Completion

Frederick, Md.—The new full-fashioned hosiery mill here of the Union Manufacturing Co. is nearing completion and is expected to be ready for operation early in July. Lockwood Greene Engineers, Inc., designed the mill and are supervising construction.

## Contract for Mill Addition

Charlotte, N. C.—General contract for the addition to the plant of the Pinoca Mills, Inc., has been awarded to T. C. Thompson & Bros., Charlotte, and work is expected to be completed by August 15. Machinery is being shipped from Pawtucket, R. I., the Pinoca Mills having recently consolidated with the Darlington Textile Co., Pawtucket, and the Darlington Fabric Corp., New York. It will operate as the Darlington Fabrics Corp.

## Silk Mill Completed

Kingsport, Tenn.—The new silk weaving and throwing mill of the Kingsport Silk Mills has been completed and is now operating. The plant was designed by and erected under the supervision of the Lockwood Greene Engineers, Inc., New York, the general contract being executed by Pyle Brothers, Kingsport. The Cleland Engineering Co., Lynchburg, Va., handled heating and fire protection contract, while the electrical work was done by the Gemmill Brothers Co., of Bristol, Va.

## Sewers for Mill Villages

The Hornbuckle Contracting Co., Atlanta, Ga., is laying 8 miles of sewers in the entire mill village at Shawmut, Ala., of the Shawmut Mill, a division of the West Point Manufacturing Co., West Point, Ga., and will also lay sewer and water mains at Thomaston, Ga., in a village of 500 houses, now under construction for the B. F. Goodrich Tire & Rubber Co., of Akron, Ohio. Robert & Co., Inc., Atlanta, are the consulting engineers on both projects.

## Organize New Textile Mill

The Ingram Manufacturing Co., Nashville, Tenn., reported incorporated a few days ago with a capital stock of \$775,000, has purchased all the assets of the Thomas Henry Co., Nashville, as a going concern. The new company will continue the manufacture of cotton and marine yarns. Plans are under way for the installation of new machinery. Officers of the Ingram Manufacturing Co., include O. H. Ingram, president; E. B. Ingram, vice-president, and Ernest Jones, secretary.

## Complete Silk Throwing Plant

Orange, Va.—The new \$250,000 silk throwing plant here of the American Silk Mills has been completed and is now in operation. The mill was designed by the Lockwood Greene Engineers, Inc., New York, who also supervised construction. The following contracts were awarded:

**Construction (General)** — Fanning & Sweeney, Inc., Greensboro, N. C.  
**Electrical work** — Taylor Manufacturing Co., Farmville, Va.  
**Fire Protection** — Automatic Sprinkler Corp., New York.  
**Heating installation**—Modern Plumbing & Heating Co., Orange.

## New Mercerizing Plant

Burlington, N. C.—The construction of a new mercerizing plant here to take care of 60,000 pounds of goods weekly, has been undertaken by Charles B. Phillips, Burlington, and associates. An addition is being erected to the building formerly occupied by the Kristone Paper Box Co., to provide a total of 20,000 square feet of floor space, and equipment has been purchased. The enterprise will represent an investment of \$100,000.

## Textile Mill Contracts

Yadkin, N. C.—Potter & Shackelford, Inc., Greenville, S. C., general contractors for the construction of the proposed addition to the plant here of the North Carolina Finishing Co., have awarded the following contracts:

**Lumber**—Bright-Brooks Lumber Co., Charlotte  
**Mastic floors**—Ralph V. Rulon, Philadelphia, Pa.  
**Plumbing**—Edens & Moon, Greenville, S. C.  
**Reinforcing steel**—Southern G. F. Co., Atlanta, Ga.  
**Roofing and sheet metal**—Ramseur Roofing Co., Greenville  
**Steel sash**—Truscon Steel Co., Youngstown, Ohio  
**Structural steel**—McClintic-Marshall Co., Pittsburgh, Pa.

J. E. Sirrine & Co., Greenville, are the engineers.

# AVIATION, AIRPORTS AND AIRWAYS

## TO BUILD AIRPLANE PLANT

### Curtiss-Caproni Corporation Asks Permit to Build \$400,000 Unit at Baltimore

The Curtiss-Caproni Corp., New York, which plans to build a \$1,000,000 airplane factory on a site of 25 acres of land at the proposed municipal airport site, Baltimore, has applied for a building permit to erect the first unit at a cost of approximately \$400,000. Plans call for a main factory building, 498 by 408 feet, 56 feet high, power plant, garage, forge and foundry. Construction will consist of steel and brick, with sawtooth roofs. General contract is being handled by the Construction Management, Inc., New York.

### Southern Sugar Company Plane

Purchase of a Curtiss Robin airplane by the Southern Sugar Company, Clewiston, Fla., for use by company officials in traveling over its extensive Florida properties is announced by President B. G. Dahlberg, one of the first American business men to use his own ship in his business activities. The company is constructing a two-ship hangar at the Clewiston flying field, with extra space to care for visiting planes. Mr. Dahlberg expects the new plane easily to pay for itself in the saving of time by P. G. Bishop, operating vice-president, and other officials at the mill. In his own plane, in two years, he has covered more than 240,000 miles and believes this has contributed largely toward increased business efficiency.

### Expansion at Fort Worth

Southern Air Transport announces a sales division and an airport engineering division for Fort Worth, Texas, with J. H. Yeaman, a World War veteran of the Royal Flying corps, heading the former, and B. A. Slater the airport division. Aero supplies will be marketed through division managers and the engineering division will design, improve and build airports.

### Aeronautics Exports Increase

The export value of airplanes, sea-planes, and amphibians during the first quarter of the current year was \$1,103,520, or over twice the valuation of similar shipments in the 1928 period, says the Department of Commerce. The unit exports did not increase in similar ratio, there being 69 aircraft shipped abroad during the 1929 quarter as compared

with 49 in the 1928 quarter. Average unit value has decreased since early last year, when the bulk of foreign sales consisted of expensive military types. Mexico, which purchased more airplanes than any other country early this year, had a military reason for its buying, independent of any effective sales effort. Moreover, that country is becoming increasingly air minded.

### Southern Airmail Routes

More airmail lines for the South, with extension ultimately from Washington to Los Angeles, was urged the other day by a number of Senators and Representatives and spokesmen for several cities before the inter-departmental committee on airways. The two principal routes laid out by the committee and on which the hearing centered, would focus at Fort Worth, Texas, one from Louisville by way of Nashville, Memphis, Little Rock, Texarkana and Dallas and the other from Atlanta via Dallas. The former would be an extension of the Cleveland-Louisville route into the Southwest and the latter would be the second leg in the prospective Washington-Los Angeles transcontinental route. The committee also considered routes connecting Nashville and Birmingham, St. Louis and Memphis, and Little Rock and Shreveport and will also consider possible straightening of the present route between Atlanta and New Orleans, by stopping at Montgomery, instead of Birmingham, on an understanding that Birmingham would be made a stop on the new Atlanta-Fort Worth route. Representatives of Missouri and Oklahoma asked for a new service to connect St. Louis with Tulsa, via Joplin and Springfield, Mo.

### Commercial Aviation Grows

On reports from air transport operators, recently compiled, the aeronautics branch of the Department of Commerce announces that 5,657,661 miles were flown in the last six months of 1928, as compared with 3,703,236 in the first six months, and 18,971 passengers were carried, compared with 10,996. Mail revenue for the second half-year was \$4,489,812, as against \$2,329,341 for the first half. The total personnel was 1036, and a pilot's pay was as follows: Base, \$194.02; rate per mile day, 5½ cents, and night 9.3 cents; total base and other, \$463.51. Mechanics and riggers were paid \$164.37 a month and 76 cents an hour. Passenger revenue was \$452,561; express and freight, \$66,677, and miscellaneous was \$117,218 for the six months.

### Care of an Airplane

Careful, detailed inspection and oiling for an airplane amounts to a good day's work for three men, says E. G. Rhenstrom, operations manager for Southern Air Transport. "Many planes get by with less," he adds, "but it is the policy of Southern Air Transport and of most other air transport companies to go over every plane from nose to tail-skid every 24 hours. In this inspection more than 130 parts of the engine alone are greased or tightened. Everything is checked and then the whole ship is washed on the outside and vacuum cleaned on the inside, and its tanks are filled with gasoline. The motor is thoroughly overhauled every 150 hours or so, and every year the entire plane is given a complete overhaul."



Hangar at Municipal Airport, Tulsa, Okla.

Capacity 18 to 20 planes. A tile and steel structure with steel rolling doors, 100x120 feet with a 20-foot door clearance. A lean-to occupies an entire side and comprises shop, toilet facilities, office and heating room, covered with cream colored stucco.



# HIGHWAYS AND MOTOR TRANSPORT

## White Has New Bus

An 18-21 passenger six-cylinder bus chassis built to meet the demands of city and inter-city transportation and embodying many new engineering features is announced by Walter C. White, president of The White Company, Cleveland, Ohio.

Known as Model 65 the new bus is said to be speedy and extremely flexible; four-wheel hydraulic brakes with Westinghouse vacuum provide positive control and promote safety under all operating conditions. The bus is produced to meet a popular demand for a medium sized vehicle; it combines beauty of line with a high degree of riding comfort

and is capable of delivering unusual performance in the severest kind of service, say the makers. Much attention has been given to accessibility of parts, so that inspection and maintenance are unusually convenient and economical.

The company states that a large number of orders have already been received for the new bus including an order for five from the Union Pacific Railroad for carrying tourists to the national parks of southern Utah. With the addition of this recent model the White Company has one of the most complete lines of four and six-cylinder buses in the industry, with seating capacities ranging from 12 to 41 passengers.



18-21 Passenger 6-Cylinder White Bus

## Low Type Roads Increase Operating Costs of Motor Vehicles

Travel on High Type Pavements Is Cheaper by One to Two Cents a Mile

By E. E. DUFFY.

The motorist who drives a light six over first class pavements rather than over low type roads does so at a saving of 2.37 cents a mile. Travel over intermediate road types costs approximately 1.13 cents more a mile than over good pavement.

These are conclusions of Professor T. R. Agg and other research workers at Iowa State College, recently published. All items of expense were considered and properly balanced with the final figures based on year 'round travel.

Reports from commercial car operators

all over the United States were compiled in making these studies. It is believed that the results of the observations indicate quite accurately the greater cost of low type roads, for the reports cover cars operated under all sorts of conditions, through urban and rural traffic, under diverse climatic conditions and by drivers of varying degrees of skill and efficiency.

Considering all items of car operation expense, such as gasoline, oil, depreciation and so on, the per mile cost of a light six-cylindered car is 8.62 cents over

low type roads, 7.38 cents over intermediate types, and 6.25 cents over first class pavement.

Car operation costs, of course, vary with the size of the car. For example, the cost of operating a medium four on low type roads is 7.5 cents a mile; on intermediate types, 6.42 cents a mile; and on high type pavement, 5.44 cents.

From the collected data, it was determined that if the composite "average" automobile were to be operated entirely over pavement rather than over low type roads, the saving per mile would be 2.06 cents. Intermediate types when changed to high type highways would save the average driver approximately one cent a mile.

The motorist himself may then calculate just how much it costs him to drive over roads not of first quality. With but some 80,000 miles of high type rural highways, most motoring is still over inferior highways.

Motor taxes, such as the gasoline tax and the license fee, do not compare with the bad roads tax, which may insidiously collect a \$200 toll from the traveler whose yearly mileage is 10,000. Motor taxes are actually good roads taxes and when properly levied and expended they lessen the tariff of mud, tractive resistance and discomfort.

### Road and Bridge Bids

Richmond, Va.—Bids will be received until July 2 by the Department of Highways for the construction of seven road and bridge projects, as follows:

**Essex County**—6.8 miles of grade and drainage construction  
**Franklin County**—11,600 feet of guard rail  
**Goochland County**—112-foot concrete and steel bridge across Tuckahoe Creek  
**Lancaster County**—3.2 miles of grade and drainage construction  
**Tazewell County**—1.6 miles of grade and drainage construction  
**Wise County**—171-foot concrete bridge across Pound River  
**Wythe County**—892-foot steel bridge across New River

### \$1,000,000 Road Bonds Sold

Clayton, Mo.—A road bond issue of \$1,000,000 has been sold by the St. Louis County Commissioners to a syndicate composed of Harris Trust & Savings Bank, Chicago; Boatman's National Company, Mississippi Valley Trust Co. and the First National Co., St. Louis, at a price of 99.33.

Johnston County Commissioners, Smithfield, N. C., have sold a new issue of \$326,000 5 per cent road, bridge and school bonds to the National City Co., New York, on a bid of 100.209.

# NEW AND IMPROVED EQUIPMENT

## Portable and Folding

Portable folding assembly chairs as a specialty of the Brunswick Seating Works, Inc., Lawrenceville, Va., are described as comfortable and potentially compact. Continuous back rails are said to afford deep curves and to give stability and the alignment necessary in sectional chairs. Frequent changes from use to storage necessitates one-piece rails, and

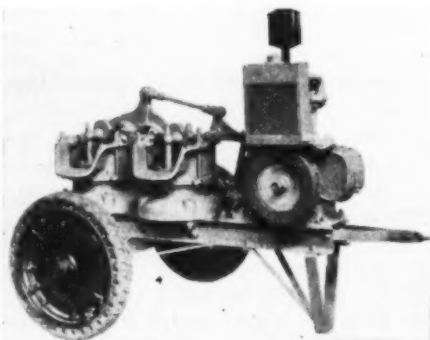


A High Type Assembly Chair

the back rails are secured by both rivets and screws to the legs or posts, the latter made of 1¼-inch lumber, shaped to avoid splitting. The seat arms and their connecting parts are of stamped steel, and each slat of both seat and back is kept even by a small steel spline. The seat is frictioned to avoid slamming down; there is no loosening of the pivot bolt, and there are three positive stop-lugs striking against three opposing lugs, not including the pivot, in each seat arm, while the seat is occupied.

## Double Diaphragm Unit

The John Lauson Manufacturing Company, New Holstein, Wis., announces a new double diaphragm unit with three inch pump, a 2½ to 3 H. P. Lauson vertical radiator cooled engine furnishing the power. Among the features is a mechanically driven flyball governor, enclosed in dust proof housing, in which the drive is correct; with spiral gears from the cam shaft and bronze bearings. Flyballs are mounted without use of complicated parts. The crankshaft is mounted in high grade, heavy duty roller bearings which are lubricated from engine crankcase and the crankshaft is 1¾ inches diameter, balanced with counter weights. The camshaft is one piece, drop-forged, hardened and ground, and is mounted in large bronze bearings; grey iron piston, specially designed for high speed performance and equipped with three rings, is used; the lower base of engine forms an oil reservoir from which the oil is raised by a submerged



Power Is Furnished by the Lauson Engine

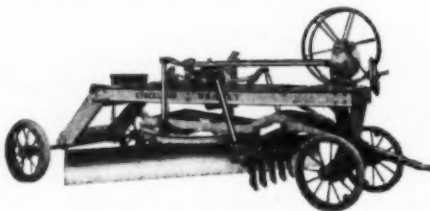
plunger pump driven by an eccentric on the camshaft and in the ignition system the high tension Wico magneto, specially designed for high speed motors, is driven by helical cut gear from camshaft and operates at camshaft speed.

The valves are completely covered by a cap which keeps dirt out of the rocker arms and other working parts, and the engine has the same hot spark when cranking as when running at normal speed. The units will be furnished with any of the leading makes of diaphragm pumps, mounted on two wheel, cushion tire trailer or four steel wheel trucks. The weight is 775 pounds complete, and the engine has a speed range of 900 to 1800 r. p. m. and can be speeded up to the maximum capacity of the diaphragm pumps, giving the unit a capacity of 7000 to 9000 gallons per hour.

## Pull-Type Grader

The Stockland pull type "Whippet" is described by Foote Bros. Gear and Machine Company, Chicago, Ill., as carrying its own weight without hampering tractor, while cut, lift and roll action of the blade does the work easily and holds the grader in balance. It is detachable in two minutes, and four wheels allow straight, rigid, strong constructional design.

"Ixl-lite" tool-hard, machine cut gears run in oil; there are Timken roller bearings in wheels, and curved cutting blade and rolling mold board. It is said to be equally good for ditch construction and maintenance, light reconstruction and general surface maintenance.



For Road Maintenance

## Hand-Rotated Stoppers

The CP-146W stopper (wet), announced by the Chicago Pneumatic Tool Company, New York, is said to combine high drilling speed, light weight, short overall length, ease of operation, low upkeep and effective and convenient air feed



CP-146W Stoper (wet)

control for difficult drilling conditions. Being fully cushioned and valve actuated, it does remarkably satisfactory work under poor condi-

tions such as low air pressure, wet air and the handicap of worn parts. It is described as having shown particularly high drilling speed in hard rock, and the sensi-

tive air feed control results in uniformly high drilling speed in broken, fitchery formations.

The CP-146 stopper (dry), which is similar to the CP-146W in essential details, is available where that type of drill is required. Features include: Symmetrical balanced design; high drilling speed over a wide range of formations and conditions; light weight; fully cushioned, one-diameter piston; rugged, tubular valve, housed in renewable bushings in the cylinder wall, and piston-controlled exhaust; effective, air-operated feed control, conveniently located in the rotation handle; full 24 inch feed travel, and air and water swivel connections conveniently located.



# CONSTRUCTION DEPARTMENT and NEW ENTERPRISES

Covering the initial announcements of new undertakings with additional information about enterprises previously mentioned. The date at the end of an item indicates preliminary facts were given in a previous issue.

When writing to a new firm or corporation the name of at least one of the incorporators should be placed on the envelope to expedite its handling by the local postoffice. Mail may be delayed unless complete address is given.

Building and Construction Proposed and Contracts Awarded; Manufacturing, Mining, Power, and Land Developments; Public Works; Transportation; Communication; Financial Enterprises; New Business Opportunities Reported in the Sixteen Southern States.

The Daily Bulletin of the Manufacturers Record gives each business day advance news published in this weekly review. It is invaluable to those requiring prompt information. Subscription price \$40.00 a year.

## Airports, Airplane Plants, Etc.

Ala., Montgomery — Southern Air Express, R. E. Seibels, 619 S. Perry St., will erect airplane manufacturing plant at Municipal Airport; will operate aerial express south from Washington and extending to every principal city as far west as El Paso; routes proposed start at Washington and pass southward to Richmond, along Atlanta seaboard to include Greensboro, Columbia, Augusta, Macon, Montgomery, Selma, Shreveport, Dallas, Fort Worth and El Paso, where connections will be made with another company for Pacific coast points; also operate airline between Atlanta and New Orleans by way of Montgomery for transportation of mail and passengers.

Ark., Little Rock — City, Pat L. Robinson, Mayor, considering bond issue for municipal airport. See Financial News. 5-30

Fla., Daytona Beach — City Comm. plans issuing warrants for seaplane base.

La., Natchitoches — City votes Aug. 20 on \$35,000 bond issue for A-1 airport.

La., Raymondville — Lawrence C. Elliott of Airways Extension Service of U. S. Dept. of Commerce, Washington, interested in establishing emergency landing field near Raymondville.

Md., Baltimore — Stone & Webster Engineering Corp., 39 Federal St., Boston, Mass., construct 275-acre airport, Smith Ave. and Green Spring Ave., for Curtiss Airports Corp., to be operated by Curtiss Flying Service, Inc., Garden City, Long Island, N. Y., and 1309 N. Charles St., Baltimore; project includes group of 3 hangars with grandstand overhead, passenger station, and group of buildings from ground school.

Md., Baltimore — Curtiss-Caproni Corp., 27 Broadway, New York, and 1122 Munsey Bldg., Baltimore, soon start constructing first unit of airplane manufacturing plant at municipal airport, reported, ultimately to cost \$1,000,000; first unit comprised of main building, for manufacture of airplanes, 400 by 500 ft., steel bearing throughout, brick walls, sawtooth roof, flat roof crane bay; also power plant, garage, and forge and foundry buildings of similar construction; Construction Management, Inc., 10 E. 44th St., New York, General Contrs. 5-23

Md., Cresaptown — Cumberland Airport Co., Harold Krimm, Mgr., let contract to E. S. Grant for administration building and restaurant at airport.

Md., Frederick — City, Lloyd C. Culler, Mayor, reported, considering establishing airport of 80-acre site to be leased to Dept. of Commerce, Washington, for emergency landing field in connection with new air mail line to be established between Washington and Pittsburgh; Dept. of Commerce will equip field to include all lighting facilities; beacon light will be placed on Sugar Loaf Mountain and also at Braddock Heights.

Md., Hagerstown — Air Propellers, Inc., chartered; Edwin J. Smead, 1134 Oak Hill Ave.

Mo., St. Louis — City has low bid at \$111,190 from Cameron, Joyce, Smith & Elder Co., Keokuk, Ia., for grading and draining Lambert-St. Louis Airport; and low bid at \$100,011 from Haydenite Construction Co., Frankfort, Ill., for storm drains to carry away

surface water; W. W. Horner, Ch. Paving and Sewer Engr.; T. P. Sultan, Airport Engr., 6625 Delmar Blvd., 6-13

Mo., St. Louis — St. Louis Aviation Corp., Harold M. Bixby, Fourth and Locust Sts., capital \$3,000,000, organized under laws of Delaware to deal in aviation securities and aid in development of commercial aviation.

N. C., Rocky Mount — Coastal Plains Airways, Inc., capital \$200,000, incorporated; J. W. Hines, M. F. Jones.

Okla., Ada — Chamber of Commerce interested in establishing airport.

Okla., Clinton — City votes July 15 on \$50,000 bonds for airport. Financial News Columns.

Okla., Durant — Junior Chamber of Commerce interested in establishing airport.

Okla., Henryetta — Chamber of Commerce interested in establishing airport on U. S. Highway No. 266.

Okla., Seminole — City votes July 16 on \$30,000 bonds for constructing airport and hangar.

Tex., El Paso — Texas Air Transport, Inc., Fort Worth Natl. Bk. Bldg., Fort Worth, erect hangar and machine shop at municipal airport; cost \$25,000.

Tex., El Paso — Texas Air Transport Flying Service, Fort Worth Natl. Bk. Bldg., Fort Worth, construct hangar at Municipal Airport; cost \$25,000.

Tex., Houston — Curtiss Airports Corp., Garden City, Long Island, New York, acquired 450-acre site five miles from Houston on old Main Street Rd.; construct \$2,500,000 super-airport to be operated by Curtiss Flying Service; port will maintain flying field for Curtiss services' own use; servicing field for transcontinental aviation; headquarters for air taxi service; cotton dusting service, aerial photograph and aerial surveys; sales and service headquarters for Curtiss products, and Curtiss Flying school.

Tex., Wichita Falls — Wichita Falls Air Transport Co., Inc., Fulcher Armstrong, Pres., Staley Bldg., erect 80x60 ft. hangar and administration building.

Following cities plan establishing airports: Pensacola, Fla.; Brunswick, Montezuma, both Ga.; Corbin, Ky.; Texon, Tex.; and Culpeper, Va.

## Bridges, Culverts and Viaducts

### Proposed Construction

Arkansas — State Highway Comm., Dwight H. Blackwood, Chmn., Little Rock, probably receive bids July 18 for 3 bridges: At Garland City, toll bridge over Red River; 2,520-ft. toll bridge across Ouachita River, at Felsenthal, 40-ft. clearance above extreme high water for width of 130 ft.; similar bridge at Calion, over Ouachita River, between El Dorado and Hampton; awaiting approval of War Dept.; Maj. O. M. Lee, U. S. Army Engr., Vicksburg, Miss., hold public hearing July 2, at Huttig.

Ark., Warren — War Dept., Washington, D. C., approved plans State Highway Comm., Dwight H. Blackwood, Chmn., Little Rock, for reconstructing bridge across Saline River, north of Warren.

Fla., Clearwater — See Roads, Streets, Paving.

Fla., Jacksonville — 1929 Legislature authorized Riverbank Development Co. to build toll bridge across St. Johns River near Camp Foster, Duval County; survey for proposed span to be filed in 6 months.

Fla., Miami Beach — City, C. W. Tomlinson, Clk., plans bridge at Forty-first St. over Indian Creek; Russell Pancoast, Archt., Lincoln road. Lately noted War Dept., approved plans. 5-16

Louisiana — Louisiana Highway Comm., received low bids for 4 bridges, etc. See Roads, Streets, Paving.

La., Crowley — See Roads, Streets, Paving.

Maryland — American Toll Properties Corporation, E. M. Elliott, Pres., 360 N. Michigan Ave., Chicago, has been granted Government franchises to construct toll bridges on eastern and western shores of Chesapeake Bay: Over Patuxent River between Burch and Benedict; over Choptank River near Cambridge; acquired about 90 per cent of all securities of Tidewater Toll Properties, Inc.; will offer 74,750 units of capital stock, each unit consisting of 3 shares preferred and 1 share Class A common stock, having nominal par value of \$10 per share or \$40 per unit; Manhattan Capital Corp., 301 N. Charles St., Baltimore, fiscal agents for issue.

Maryland — State Roads Comm., received low bid for 2 bridges. See Roads, Streets, Paving.

Maryland — State Roads Comm., G. Clinton Uhl, Chmn., Baltimore, received low bids from Forbes-Murphy Const. Co., 326 St. Paul St., Baltimore, \$71,805, for 2 bridges in Baltimore County: Widen existing approaches to highway bridge over Pennsylvania R. R. tracks, Winans Station, on Baltimore-Washington Blvd.; alter present conc. arch bridge over Patapsco River, Baltimore-Washington Blvd., Elkridge. 6-13

Md., Baltimore — Pennsylvania R. R. Co., T. J. Skillman, Ch. Engr., Philadelphia, Pa., plans bridge over Colgate Creek; pivot-swing draw, with 32 ft. clear opening, and 5 ft. 8 in. vertical clearance under closed draw at high tide; replace present bridge; awaiting approval of plans by War Dept., Washington. 11-29-1928

Md., Chestertown — State Roads Comm., G. Clinton Uhl, Chmn., Baltimore, plans about \$500,000 conc. bridge across Chester River, at foot of Maple Ave., Kent County.

Md., Cumberland — State Roads Comm., G. C. Uhl, Chmn., Baltimore, and Baltimore & Ohio R. R. Co., H. A. Lane, Ch. Engr., Baltimore, reported, approved proposed plans for overhead bridge crossing at Baltimore St.; plans call for ramp at Kenneweg Grocery property, Baltimore St., extending north to rear of B. & O. freight house, then across B. & O. tracks at Front and Glenn St., intersection, eastwardly to intersection, Baltimore Ave. and Decatur St.

Miss., Columbus — Lowndes County Bd. of Suprvs., John J. Richards, Clk., receives bids July 3 for wood bridge on Cedar Creek, Macon Road Dist. No. 4.

Miss., Vicksburg — City, Warren County Bd. of Suprvs., and State Highway Comm., Jackson, receive bids July 2 for conc. bridge over Y. & M. V. R. R. right of way, Vicksburg; conc. roadway; estimated cost \$75,000; B. F. Nichols, County Highway Engr. 6-20

Mo., Ava—See Roads, Streets, Paving.

Mo., Fisk—State Highway Comn., C. M. Hughes, Sec., considering steel, conc. and timber bridge over St. Francis River and overflow, at Fisk, Route 60, Butler County; River Bridge 322x20 ft.; overflow 2609x20 ft.; estimated cost \$150,000; D. B. Levi, Constr. Engr., N. R. Sack, Bridge Engr.; T. H. Cutler, Ch. Engr. 6-6

Mo., Galena—State Highway Comn., Jefferson City, contracted with Empire District Electric Co., Joplin, for 2000 ft. steel bridge and approaches on Highway No. 43, across Ozarks Lake to be created by Tablerock dam, contingent upon construction of dam by Power Co.; Power Co. to provide \$310,000; Stone County officials approved contract.

Mo., Independence—Jackson County Court receives bids July 2 for Ash Avenue Viaduct, over Missouri Pacific R. R. tracks, at Ash Ave.; 3,191 cu. yd. excavation and borrow; 44,260 lb. reinforcement for conc. structures; Leo H. Koehler, Highway Engr.

Mo., Lynn—State Highway Comn., Jefferson City, contracted with Union Electric Light & Power Co., St. Louis, for bridge over Grand Glaze Creek at Zebra, and portion of Highway No. 5, both Camden County.

Mo., Trenton—Rock Island R. R. Co., W. H. Petersen, Ch. Engr. Chicago, will rebuild Seventeenth St. viaduct: Creosoted piling and timber, I-beams over 2 tracks; Kentucky rock asphalt flooring; side walks; approximate cost \$16,000.

N. C., Currituck—War Dept., Washington, D. C., approved revised plan, Currituck and Dare Bridge Corp. for bridge over Currituck Sound, north of Point Harbor; revised plans provide change in location of bridge. 11-29-1028

Okla., Oklahoma City—City, E. M. Fry, Mgr., and Oklahoma Ry. Co., Guy B. Treat, Ch. Engr., plan building Exchange Ave. Bridge; W. W. Small, City Engr. 3-21

S. C., Tigerville—Greenville County Bd. of Suprvs., A. Frank Pridmore, Supv. plans bridge over North Tiger River, at point near Tigerville, eliminate curves.

Tex., Beaumont—Jefferson County, B. B. Johnson, County Judge, plans expending \$162,000 to construct bridge across junction Taylor Bayou and proposed Intracoastal canal as part of Port Arthur-Sabine Pass Highway; \$36,000, obtain dumping grounds, spoil banks and crossings over intracoastal canal, and to protect land through which canal will pass. See Financial News Columns. 5-16

Tex., Houston—City, Walter E. Monteith, Mayor, plans 2 underpasses in connection with Southern Pacific passenger station project: At foot of Milam and White Oak Drive, at Southern Pacific tracks, covered portion 57 ft., with 280-ft. approaches on south side and 50 ft. on north side; two 20-ft. roadways, 8-ft. walkway; cost \$90,000; Houston Ave. underpass at H. & T. C. tracks, 30-ft. covered portion, approaches 200 ft. long, two 20-ft. roadways; carrier for street car lines; cost \$126,000; H. L. Shaw, City Engr.

Tex., San Antonio—City, Fred Fries, Clk., receives bids July 29 for conc. and steel bridge at Richmond extension over San Antonio River; I. Ewig, City Engr.

Va., Clarksburg—See Roads, Streets, Paving.

Va., Norfolk—City Council, I. Walke Truxtun, Mgr., considering steel and conc. bridge over Tanner's Creek, Granby St.; lift-draw type; replace present Indian Pole Bridge; estimated cost about \$295,000.

#### Contracts Awarded

Alabama—State Highway Comn., let contracts for 2 bridges. See Roads, Streets, Paving.

Miss., DeKalb—Kemper County Bd. of Suprvs. let contract to Flanagan Bros., De Kalb, for 160-ft. long, 20-ft. wide creosoted piling bridge across Sucarnochee Creek on DeKalb and Scooba road, northeast of De Kalb.

Tex., Houston—City, Walter E. Monteith, Mayor, let contract to J. P. Miller & Co., \$36,795, for conc. White Oak Bayou Bridge at Lowell St.; H. L. Shaw, City Engr. 6-13

#### Canning and Packing Plants

Ala., Anniston—Brazell & Miller, Norris Bldg., Atlanta, Ga., reported, has contract for packing plant for White & Co.

W. Va., Inwood—Inwood Community Packing Co., Hugh W. Prettyman, Supt., plans improvements to plant; install grading and sizing machines; erect 18 ft. addition, etc.; R. A. Gillis, Archt.

Tex., Lund—Lund Gin Co. constructing cotton gin.

#### Clayworking Plants

Mo., Mexico—Mexico Refractories Co., incorporated; J. B. Arthur, R. D. Rogers,

#### Cotton Compresses and Gins

Ala., Tuscaloosa—Tuscaloosa Compress Co., S. G. Swaim, Sec.-Treas., expend \$30,000 for expansion program; may install sprinkler system, build 100,000 gal. tank on 100 ft. tower.

Arkansas—Stockholders of various cotton compresses have agreed upon merger with Federal Compress & Warehouse Co., Cotton Exchange Bldg., Little Rock; companies and plants are as follows: Russellville Compress Co., Russellville; Peoples Compress and Warehouse Co., Fort Smith; Searcy Compress Co., Searcy; Arkadelphia Compress Co., Arkadelphia. 6-20

Ark., Atkins—Farmers Gin Co., capital \$12,000, incorporated; A. O. Matthews, Raymond H. Webb.

Ark., Lockesburg—R. W. Grady, Lockesburg, and R. L. Roden, Texarkana, construct electrically operated cotton gin.

Tex., Bastrop—Round Bale Gin Co., improving plant, install additional machinery.

La., Gilbert—W. J. Dish and S. M. Harris, remodeling gin of W. J. and C. Sherrouse, install electric motors, ball bearing machinery, etc.; also erecting gin, equip with two 60 h. p. oil burning engine, automatic cleaners and automatic steel press.

Tex., Bastrop—Goodman Gin Co., improving cotton gin; install machinery.

Tex., El Paso—El Paso Cotton Industries, Inc., capital \$800,000, incorporated; G. L. Moore acquired Hendricks-McDonald gins at Ysleta, Clint and Fort Hancock.

Tex., Houston—Tyrrell and Garth Investment Co., reported, erecting cotton gin at Highlands; fireproof; 4-stand, 80-saw.

Tex., Inez—Hillman Gin Co., capital \$25,000, incorporated Charles and W. L. Hillman.

Tex., Shallowater—Farm Bureau Gin Corp., reported, construct cotton gin.

Tex., Tenaha—Tenaha Compress and Warehouse Co., Roland Jones, Pres., erect compress; mill construction; wood floor; iron roof; cost of building \$10,000, of equipment, \$50,000; construction by company's forces; Webb Compress Co., Minden, La., Equipment Contrs.

#### Cottonseed-Oil Mills

Miss., Meridian—C. F. Sherrod, Jr., construct \$25,000 cotton seed warehouse in connection with Lauderdale Cotton Oil Co.'s plant, 31st Ave.

#### Drainage, Dredging and Irrigation

Md., Salisbury—Gen. Edgar Jadwin, Ch. of Engrs., Washington, approved dredging of 12 ft. channel for Wicomico River up to Main St., to be 100 ft. wide.

#### Electric Light and Power

Electric light and power work in connection with many LAND DEVELOPMENT operations involves the expenditure of large sums of money. See that classification for details.

Ark., Russellville—City, reported, plans \$150,000 light plant and distribution system.

Ala., Troy—Public Service Comn., Montgomery, granted permission to River Falls Power Co., River Falls, to build transmission line from Glenwood to Troy, via Goshen; 44,000 volt, 16 miles long, cost \$33,000; supply electric service to Goshen, erect sub station. 6-13

Ark., Russellville—City having survey of city made by W. L. Winters, Consit. Engr., Merchants Bk. Bldg., Fort Smith, for power needs.

Fla., South Jacksonville, Jacksonville — City considering construction of \$20,000 fireproof substation; 105x44 ft.; equipped with balconies for offices.

Ga., Augusta—Savannah River Electric Co., Savannah, submitted proposal to lease Augusta canal for 50 yr. to Finance Committee of City Council; also seeks to purchase 35 acres adjacent to city stockade for erection of power plant; company reported, soon begin development of \$20,000,000 hydro

electric project 10 miles above Augusta; Preston S. Arkwright, Pres. of Savannah River Electric Co. and Georgia Power Co.

La., Donaldsonville—City voted sale of electric light and water plant to Louisiana Power and Light Co., H. C. Couch, Pres., Pine Bluff, Ark.

La., Gonzales—East Ascension Chamber of Commerce and Village Council interested in installation of light and power plant and water works system.

Maryland—Public Service Comsn., Garrett Bldg., Baltimore, granted permission to Consolidated Gas, Electric Light and Power Co., Lexington Bldg., Baltimore, to construct electric light and power line along Solomon's Island Rd. from Friendship, to Owings Station, Calvert County.

Miss., Waynesboro—Interstate Utilities Co., reported, acquired State Line Ice and Light Co.; install additional machinery.

Mo., Bagnell — Union Electric Light and Power Co., Louis H. Eagan, Pres., 12th and Locust Sts., St. Louis, reported, applied to Public Service Comsn., Jefferson City, for permission to acquire license, franchise, property and rights of Missouri Hydro-Electric Power Co., owners of dam site at Bagnell; construction of dam started; cost \$20,000,000; also build transmission lines, Bagnell to River Mine. 5-2

Mo., Columbia—City, J. S. Bicknell, Clk., plans boiler and engine rooms and power plant addition; Burns & McConnell Engineering Co., 402 Interstate Bldg., Kansas City, Consit. Engrs. 4-18

Okla., Avard—Oklahoma Gas & Electric Co., Oklahoma City, negotiating for franchise.

Okla., Miami—City install \$25,000 white way system; H. G. Freehauf, Supt. Light and Water Dept., in charge. 3-14

South Carolina—Southern Public Utilities Co., Charlotte, N. C., reported, acquired electric distribution lines and systems of Wateree Power Co., as follows: Spartanburg franchise and distributing system; distributing system in Fair Forest, Saxon, Arcadia, Clifton Mill, Wellford, New Prospect, Chesnee, Fingerville, etc.

S. C., Greenwood—Panola Cotton Mills, install \$75,000 General Electric equipment at South Greenwood; generate electricity for use in mills and for village; also for supplying power to Grendel Mill No. 1; extend power line from Panola.

Tennessee — Tennessee Public Utilities Comn., Nashville granted certificate of necessity and convenience to Holston River Power Co., c/o J. R. Paull, 50 Wall St., New York, for erection of 3 power projects on Holston River in East Tennessee; work includes 3 dams and 3 power plants one 79 ft. dam will generate 24,000 h.p. and will be built 6 miles north of Kingsport; another 125 ft. high with 30,000 h.p. build just below South fork of Holston River and Watanga Rivers while the third, 130 ft. high, will be on South fork near Bluff City; company is subsidiary of American Cyanamid Co., 535 Fifth Ave., New York; if Federal Power Comsn. concurs in granting authority, work will begin in 30 days. 6-20

Tenn., Dover — Kentucky-Tennessee Light and Power Co., Bowling Green, reported, acquired Dover Power Co., Inc., furnishing power to Carlisle, Long Creek and Dover.

Tex., Borger—Panhandle Power and Light Co., Borger, reported, surveying for 11 mile high line, 13,000 volt capacity, from Stinnett to Godfrey L. Cabot, Inc., ulant at Borger.

Tex., Eagle Pass—Maverick County Water Improvement Dist., No. 1 applied to Federal Power Comsn. for preliminary permit for power project with estimated installed capacity of 7200 h.p., in Kinney and Maverick counties; diversion of water from Rio Grande for power purposes, is proposed; Momsn. found that section of river involved is not navigable and that interests of interstate or foreign would not be affected; \$1,500,000 bonds available. 1-24

Tex., San Angelo — West Texas Utilities Co., Abilene, construct earth and conc. dam, 6 mi. south of San Angelo, on Concho River; 6,000 ft. long, 45 ft. high; 225 ft. wide at bottom; cost \$400,000; W. E. Callahan Construction Co., Contr. Kirby Bldg., Dallas; Floyd & Lockridge, Consit. Engrs., Wilson Bldg., Dallas.

#### Flour, Feed and Meal Mills

Tex., Dallas—Morten Milling Co. incorporated; E. W. Morten, 304½ S. Harwood St.



Tex., McKinney—Collins County Mill and Elevator Co. incorporated; Gibson Caldwell, F. B. Pope.

Tex., Sherman—Fant Milling Co. incorporated; E. T. Fant, Ferdinand Moore.

Texas—Tex-O-Kan Flour Mills Co., J. Perry Burrus, American Exch. Bk. Bldg., Dallas, reported, formed by merger of following plants: Fant Milling Co., Sherman; Burrus Mill and Elevator Co., 66 Jennings St., Fort Worth; Morten Milling Co., 916 Cadiz St., Dallas; Liberty Mills, 902 Morales St., San Antonio, and Bob White Mill, Kingfisher, Okla.; elevators operated at Dallas by J. Perry Burrus also included.

### Foundry and Machine Plants

Mo., Kansas City—Recently incorporated Kansas City Car Co. has purchased plant of Mid-Continent Tank Car Co., and will expend \$50,000 for brick structure and additional equipment.

### Gas and Oil Enterprises

Ark., Fort Smith—Quality Oil Co., acquired warehouse, tanks, etc. of Hardin-Armstrong Co., 120 N. Tenth St. 6-20

Fla., Miami—Miami Florida Oil Co., incorporated; Gaston Drake, 417 N. E. 39th St.

Ky., Hazard—Hazard Gas Co., capital \$60,000, incorporated; J. T. Justice, C. E. Radcliff.

Ky., Olive Hill—City, J. F. Kirby, Mayor, plans granting gas franchise.

La., Hammond—Sabine Oil & Gas Corp., capital \$60,000, incorporated; G. W. Blackledge, Columbia, Miss., Roy O. Wilcombe, Hammond.

La., Sterlington—Arkansas-Louisiana Pipe Line Co., subsidiary of Arkansas Natural Gas Corp., Ardis Bldg., Shreveport, reported, let contract to Republic Construction Co., 60 Wall St., New York, for \$1,000,000 compressor station in connection with company's 100 mile 20-in. pipe line being built from Monroe to Shreveport and also connected with 16-in. line to El Dorado, 10,000 h. p., ultimately increase to 16,000 h. p., MacArthur Concrete Pile & Foundation Co., Inc., Maspeth Ave., Brooklyn, N. Y., contract for piling, etc.

Missouri—Shell Union Oil Corp., Shell Bldg., St. Louis, subsidiary of Royal Dutch Shell Co., reported, arranged new financing amounting to \$40,000,000; company has acquired additional refinery facilities in Texas and Louisiana; proceeds to be used for development work and provide additional working capital; offering bonds through Lee, Higgins & Co., New York, and associates.

Mo., Chillicothe—Livingston County Oil Co., incorporated; Homer S. Peet, Donald H. Wiggins.

N. C., High Point—Washburn Oil Co., capital \$50,000, incorporated; J. J. McMurry, Sr., Shelby; J. J. McMurry, High Point.

Oklahoma—Southwest Gas Utilities Corp., Slattery Bldg., Shreveport, La., reported, plans additional development in Francis area adjacent to company's transmission line; serves towns of Ada, Francis and Sasakwa.

Okla., Beaver—Cimarron Utilities Co., Guymon, extend line to Forgan and Beaver.

Okla., Chickasha—Nicholas Gas and Electric Co., incorporated; John B. Nicholas, Garner Collums.

Okla., Mountain Park—Town votes July 16 on granting 20 yr. gas franchise to Consumers Gas Co. of Texas.

Okla., Okemah—Crosbie Porter and Martin Interests, A. H. Allison, Const. Supt. are constructing a \$125,000 absorption gasoline plant; daily capacity 10,000 gal.

Okla., Ponca City—Stockholders of Continental Oil Co., Portland, Maine, approved merger of company with Marland Oil Co.; terms of merger provide that name of Marland Oil Co. be changed to Continental Oil Co. of Delaware.

Oklahoma—Prairie Oil and Gas Co., Independence, Kans., reported, acquired oil properties of Tom Slick, Inc.

Okla., Sayre—Joe Brockell acquired Sayre Oil and Refinery Co.'s plant; capacity 200 bbls. daily.

Okla., Tulsa—Erwin Petroleum Corp. incorporated; Andrew V. Erwin, Kennedy Bldg. S. C., Newberry—Dominic Oil Co., capital \$20,000, incorporated; Harry W. Dominic, B. L. Dorrity.

Tenn., Columbia—L. P. Kleitz negotiating for gas franchise.

Tenn., Columbia—North Alabama Utilities Co., L. P. Kleitz, V-P., 400 Montgomery Ave., Sheffield, Ala., reported, contemplates \$250,000 gas plant.

Texas—Dixie Gas and Fuel Co., Niels Esperson Bldg., Houston, making survey in Elena and Sour Lake, for installing distribution systems; plans distribution system in Humble.

Texas—Merger, reported, by W. R. Stinnett, Gen. Mgr., Northwest Texas Gas Co., Vernon, with Stamford & Western Gas Co., Stamford, and Northwest Arkansas Gas Co.; holdings of combined companies total 600 miles of gas lines in Texas, Oklahoma and Arkansas; C. O. Moore, Stamford, is president of merged companies.

Texas—Texas Pipe Line Co., Texas Co. Bldg., Houston, has started construction work 21-mile 4-in. line from Bulcher field, Cook County, to make connection with Healdton-Sherman system; pump station being erected in Bulcher field.

Tex., Crowell—Humble Pipe Line Co., Humble Bldg., Houston, reported, construct 4-in. pipe line from Flujman field.

Tex., Houston—Gulf Refining Co., reported, construct office building, garage and warehouse.

Tex., Houston—Houston Gas and Fuel Co. and Houston Gas Co., making surveys of city's Magnolia Park gas system preparatory to negotiating for system.

Tex., Houston—Phillips Petroleum Co., Bartlesville, Okla., reported, acquired 50 acres, fronting 950 ft. on south side of ship channel for construction of \$500,000 plant; production capacity 12,000 gal. refractionated gasoline daily; construct slip 250x100 ft.

Tex., Houston—Rexal Petroleum Corp., increased \$60,000 to \$100,000.

Tex., Port Aransas—Gulf Coast Pipe Line Co., Wm. F. Morgan, Pres., Refugio, reported, construct 6-in. pipe line from Refugio field to here.

Tex., Stinnett—Godfrey L. Cabot, Inc., 940 Old South Bldg., Boston, Mass., reported, construct warehouse on Rock Island right of way near depot; work on carbon black plant, reported, to begin about July 1. 5-23

Tex., Wichita Falls—Rio Verde Oil Corp., capital \$50,000, incorporated; W. L. Ruff, City Natl. Bk. Bldg.

Va., Martinsville—City, A. S. Gravelly, Clk., receives bids July 30 for gas franchise.

W. Va., Charleston—Torquil Gas Co., 22 Citizens National Bank Bldg., capital \$25,000, incorporated; W. G. MacCorkle.

W. Va., Wheeling—Sinclair Refining Co., 45 Nassau St., New York, erect bulk storage tanks on Wetzel St.

### Ice and Cold-Storage Plants

Fla., Lake Worth—Southeastern Ice & Cold Storage Co. expend \$60,000 for remodeling plant.

La., Ponchatoula—Southern United Ice Co., Powell P. Vail, Mgr., erect ice and cold storage plant with capacity of 25 tons daily.

Md., Baltimore—Kaufman Ice Co., 335 Munsey Bldg., incorporated; Henry D. Blair, Harry S. Carver, Jr.

Md., Hagerstown—Jervian Corp., Newark, N. J., acquired Terminal Storage and Ice Co., ice and storage department of Federal Milling & Refining Co., Inc., and Bester Ice Co.; plants will be merged and operated under name of Casco Co., Harry E. Bester, Mgr.

Miss., Brookhaven—General Utilities Co. erect ice plant, Whitworth Ave. and East Court St.

Miss., Waynesboro—Interstate Utilities Co., O. D. Fisher, Mgr., Quitman, acquired State Line Ice & Light Co.; install new machinery and extend lines to surrounding towns.

Mo., Jefferson City—Moerschel Products Co., Jacob W. Moerschel, Pres., 118 W. Dunklin St., erect ice plant with 80-ton capacity; brick, steel; conc. floors, comp. room; cost of buildings \$30,000, cost of equipment \$50,000; L. Meindert & Sons, Inc., 461 Eighth Ave., contr., New York.

Tex., Corpus Christi—Fred Quaille, 412 Peoples St., erect ice and cold storage building.

### Iron and Steel Plants

Ala., Fairfield—Tennessee Coal, Iron & Railroad Co., Birmingham, advises has not started work on sheet mills at Fairfield, and no contracts have been awarded and no plans completed.

Ala., Alabama City—Gulf States Steel Co., W. H. Coverdale, Pres., Birmingham, reported, let contract to Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa., at \$300,000 for equipment to drive new 40-inch reversing blooming mill to be installed in plant; includes mill type monitors and control for operating mill tables, screwdown manipulators, etc.

Ala., Birmingham—Republic Iron & Steel Co., Youngstown, Ohio, W. H. Oldham, V-Pres., in charge of Southern operation, will expend \$200,000 on developing ore Spaulding mines, will be revamped, electrified, crushers installed and electrical loaders added which will increase output of company.

### Land Development

Fla., Bradenton—Manatee County Homes Co., capital \$200,000, incorporated; G. B. Knowels, J. B. Singletary.

Fla., Tampa—Sunshine Grove and Nurseries Co., Inc., chartered; F. M. Cooper, 3104 Sunset Drive.

Fla., Miami Beach—C. A. Renshaw, City Mgr., and D. Richard Mead, interested in developing 140 acres on North Normandy Island for golf course.

Fla., Miami — Miami and Seventh Street Corp., incorporated; F. L. Knight, City Natl. Bk. Bldg.

Fla., Winter Haven—Fox Lake Fruit Co., capital \$33,000, incorporated; W. B. Stayer, L. D. Oxford.

Ga., Tybee—Town plans further development of Savannah Beach; construct ocean promenade, 3000 ft. long; widen parking space with shelled surface; extend bulkhead; Savannah Electric Co., Savannah, preparing plans for installing white way system.

La., New Orleans—Venetian Gardens, Inc., capital \$25,000, incorporated; Geo. S. Sodds, Brookhaven, Miss., Martin H. Manion, Canal Bk. Bldg., New Orleans.

La., Shreveport—Adrandum Land Co., Inc., chartered; F. A. Blanchard, Sr., 2750 Fairfield Ave.

La., Vidalia — Pecania Plantations, Inc., capital \$250,000, incorporated; Jas. B. Thomas, Ferriday; Gilbert P. Bullis, Vidalia.

Md., Baltimore—City, Wm. F. Broening, Mayor, approved ordinance for park opposite Lexington St. side of War Memorial; authorized Bd. of Estimates to acquire property within Lexington, Gay and Harrison Sts.

Md., Baltimore—Wm. H. Bishop, Jr., 207 W. Fayette St., acquired 337 acres on Magdohy River; develop subdivision; bathing beaches on property will be developed through Newton C. Sibley organization.

Mo., Benton—C. D. Matthews Co., capital \$2,000,000, incorporated; C. D. Matthews, Jr., J. L. Matthews.

Mo., St. Louis—John C. Greulich Realty and Investment Co., 3111 N. Grant St., develop subdivision on Kingshighway Blvd.; will grade, install water, sewers, gas, etc.

Mo., St. Louis—Albert Wenzlick Real Estate Co., 1010 Chestnut St., develop 42 acre subdivision on Pernwood and Arsenal Sts.

N. C., Charlotte—City, Dr. John Hill Tucker, Chr. Park and Recreation Comm., develop 9-hole golf course on Wilmont Rd.; cost \$15,000.

Okla., Oklahoma City—City having tentative plans prepared by S. Herbert Hare, City Planning Engr., Huntzinger Bldg., Kansas City, Mo., for development of civic center.

Okla., Oklahoma City—City may develop park in south side of river.

Okla., Seminole — City plans developing park, build dam; cost \$45,000.

Okla., Seminole—J. R. Simpson, Philtower Bldg., Tulsa, plans developing subdivision, adjoining Highway No. 3.

Tex., El Paso—L. E. Lockhart, Pres., Rio Grande Oil Co., 525 E. Seventh St., acquired 40,000 acre ranch near Sierra Blanca.

Tex., El Paso—Bach T. White, First Natl. Bk. Bldg., and George Payne acquired 670 acres irrigated cotton land in Upper Valley.

Tex., Grapeland—Grapeland Fair Beauty Peach Assn. develop 500 acre peach orchard.

Tex., Houston — Brantwood Corp., B. C. Sheeler, Sec.-Treas., 2129 Wroton St., develop 26 acres on Kirby Drive.

Tex., Houston—Southgate, Inc., acquired 95 acres, between Main and Rice Sts.; develop subdivision.

Tex., San Antonio—Commercial Real Estate Co., incorporated; Wm. C. Church, Millam Bldg.

Tex. Sherman—Hare & Hare, Huntington Bldg., Kansas City, Mo., will have charge of landscaping grounds of Woodmen of the World; tentative plans will be submitted to Home Committee, Aug. 1.

Tex., Victoria—E. L. Dunlap acquired 526 acres on Highway No. 12.

Va., Richmond—Monroe Realty Corp., capital \$25,000, incorporated; Oscar E. Parrish, 301 E. Grace St.

Va., Roanoke—Lexington Co., capital \$1,000,000, incorporated; George S. Shackelford, Jr.

Va.-Tenn., Bristol—H. W. Reynolds interested in development of subdivision.

West Virginia—Formation, reported, of Inland Utilities, Inc., to consolidate various utility properties in West Virginia, Maryland, Pennsylvania and Virginia; company organized under laws of Delaware; capitalization consists of \$3,200,000 5-yr. convertible 6% debentures, 87,000 shares of no par participating Class A stock (\$1.70 cumulative dividend) and 340,000 shares of no par common stock; E. R. Diggs & Co., Inc., 46 Cedar St., New York City, arranging for financing; Atlantic Public Utilities, Inc., 70 State St., Boston, Mass., reported, interested in merger. Properties acquired are as follows: Mt. Carmel Citizens Gas Co., Mt. Carmel, a P.; Montgomery Gas Co., W. Va.; Boone County Utilities, Inc., W. Va.; Ashland Gas Light Co., Pa.; Mahony City Water Co., Pa.; Inland Service Corp., serving, Martinsburg, W. Va.; Charlottesville, Va.; Fredericksburg, Va., and Hagerstown, Md.

W. Va., Fairmount — Mers Holding Co., capital \$300,000, incorporated; R. C. Miller, 625 E. Park Ave.

### Lumber Enterprises

Ala., Headland—Gulf Region Lumber Co. plans rebuilding burned mill.

Ga., Thomasville—W. B. Beverley plans rebuilding burned lumber mill.

Miss., Hazlehurst—Natalbany Lumber Co. acquired Parks Martin timber tract in Copiah County.

Miss., Hazlehurst—Lomax Lumber Co. acquired Wyant timber tract in Copiah County.

Miss., Natchez—Fisher Lumber Co., Feriday, La., subsidiary of General Motors Corp., Detroit, Mich., acquired 18,000 acres of timber land in Concordia parish.

N. C., Bakersville—Champion Fibre Co., Canton, acquired paper timber and hardwood on tract of 2890 acres on Roan Mountain.

N. C., Wilmington—Thomason Lumber Co. leased 17 acres on Castle Hayne Road, will construct lumber finishing plant.

Tex., El Paso—Zach T. White, First Natl. Bldg., let contract to H. T. Ponsford & Sons, 914 E. Missouri St., for \$50,000 automobile shop building for Watkins Motor Co. on Leon St.; Braunton & McGhee, Archts., First Natl. Bldg., fireproof, 2 stories and basement.

Tex., Smithville—H. R. Hoppe, Smithville, and C. S. Campbell, Waukegan, acquired Few-Moore Lumber Co.'s sawmill on Alum Creek and planing mill and lumber yard at Smithville.

Va., Norfolk — Bundy Lumber Co., Inc., Nathan H. Bundy, Pres., Royster Bldg., increased capital \$15,000 to \$30,000.

### Mining

N. C., Fontana—Swain County Mining Co., incorporated; S. G. Bernard, R. K. Williams.

W. Va., Moundsville—United Zinc Smelting Corp., 233 Broadway, New York, H. W. Lohman, Gen. Mgr., Moundsville, may expend \$200,000 for improvement program; install roaster in furnace department and add equipment to acid plant.

### Miscellaneous Construction

Arkansas—War Dept., U. S. Engr. Office, 1006 McCall Bldg., Memphis, Tenn., receives bids July 16 for constructing about 3,345,000 cu. yd. of earthwork in levee district designated as follows by name, location, kind of work, estimated net yardage: Upper Yazoo Levee Dist., about 18 miles southwest of Memphis, Tenn., enlargement of landslide and river side enlargement and new work, 2,175,000; White River Levee Dist., near Helena, Ark., enlargement, 1,170,000.

Arkansas—War Dept., U. S. Engr., Memphis, Tenn., receives bids July 5 for constructing about 5700 lin. ft. of permeable pile dikes, or alternately 577 lin. ft. of permeable crib dikes in Mississippi River in vicinity of Morgan Point, Ark., 185-187 mi. below Cairo.

Ark., Helena—J. W. Good, Sec. of War, Washington, authorized construction of \$125,000 grain transfer depot on river front for Inland Waterway Corp.

D. C., Washington—U. S. Engr. Office, Navy Bldg., let contract at \$2.89 per ton to Smoot Sand & Gravel Corp., 3020 K St., N. W., for 11,000 tons of riprap seawall foundation in Potomac River. 6-13

Fla., Coral Gables, Miami—City let contract to Raymond Young, 2232 N. W. Fourth Terrace, Miami, for constructing seawall; cost \$18,000.

Fla., Miami Beach—G. O. Reed, Inc., 1345 20th St., has contract at \$12,000 for steel bulkheading at end of 39th, 40th and 41st Sts.

Fla., Miami Beach—Wm. Taradash, 5225 Collins Ave., let contract to G. O. Reed, 1345 N. W. 20th St.; for steel sea wall.

Ky., Hickman—Levee—See Roads, Streets, Paving.

La., Houma—American Legion Post plant constructing swimming pool.

Louisiana—War Dept., W. H. Holcombe, Major, Corps of Engrs., Dist. Engr., New Orleans, receives bids July 13 for constructing Washington-Courableau west protection levees, Atchafalaya Basin, in St. Landry Parish.

Louisiana—War Dept., W. H. Holcombe, Major, Corps of Engrs., Dist. Engr., New Orleans, La., receives bids July 10 for constructing Bordenville-Hamburg protection levee, West Atchafalaya Basin, in Avoyelles Parish.

Mississippi—U. S. Engr., Office, P. O. Box 607, Vicksburg, receives bids July 22 for constructing about 14,195,000 cu. yd. of levee work on left bank of Mississippi River, Coahoma-Bolivar county line to Ashbrook Dike; work consists of building new levee, constructing turnover or enlarging existing levee.

Miss., Vicksburg—Standard Dredging Co., Security Bldg., Galveston, Texas, has contract for 5,000,000 cu. yds. levees work on Mississippi River. 6-13

Missouri—War Dept., U. S. Engr. Office, 707 Post Telegraph Bldg., Kansas City, receives bids July 20 for constructing 3000 lin. ft. of standard pile clump dikes and about 13,600 lin. ft. of standard revetment in Missouri River at Delaware Island, about 6.7 miles from Leavenworth, Kansas.

Mo., Jackson—War Dept., U. S. Engr. Office, 707 Postal Telegraph Bldg., Kansas City, has low bid at \$73,035 from A. W. Farney, 416 Railway Exchange Bldg., Kansas City, for lumber mattress, and at \$77,615 for willow mattress.

Mo., Kansas City—War Dept., U. S. Engr. Office, received bids July 17 for constructing about 20,350 linear ft. of standard revetment in Missouri River at Bean Lake Bend. 6-20

Mo., South St. Joseph—U. S. Engr. Office, Kansas City, receives bids July 13 for constructing 9100 lin. ft. standard pile clump dikes in Missouri River at Kenmoor bend, about 6.1 miles from South St. Joseph.

Mo., South St. Joseph—U. S. Engr. Office, Kansas City, receives bids July 11 for constructing about 4200 lin. ft. of standard pile clump dikes in Missouri River at Contrary Bend, about 3 miles from South St. Joseph.

N. C., Charlotte — Parks & Recreation Comm. plans constructing \$25,000 swimming pool.

N. C., High Point—City erect \$30,000 addition to incinerator.

Tenn., Memphis—U. S. Engr. Office, McCall Bldg., let contract at \$620,670 to Sweet Prince Dredging Co., 1234 Bank of Commerce work in Reelfoot Front Levee Dist.; and contract at \$186,000 to Wm. W. Roth, Hickman, Ky., for dredging 930,000 cu. yd. of earthwork in New Madrid, Sikeston Ridge, St. Johns Bayou Levee. 6-20

Tex., Waco—City plans erecting \$30,000 incinerator.

### Miscellaneous Enterprises

Ark., Eureka Springs—Southwest Publishing Co., incorporated; F. O. Butt, George E. Wiswell.

Ark., Little Rock—Howards Cleaners, Inc., 117 Center St., incorporated; G. C. Howard.

Ark., Little Rock—City, Pat L. Robinson, Mayor, considering bond issue for fire equipment and for street cleaning and garbage equipment.

Ark., Little Rock—Southwest Dairy Products Co., R. L. Whaley, Santa Fe Bldg., Dallas, Tex., erect milk condensing plant near Little Rock.

Fla., Lakeland—H. B. Trauger Construction Co., incorporated; H. B. Trauger, 2609 Cleveland Heights Blvd., Alexander.

Ark., Pine Bluff—Dr. J. W. John, M. & P. Bank Bldg., erect \$15,000 dairy.

Fla., Tampa—Perry Paint & Glass Co. increased capital \$25,000 to \$250,000.

Fla., West Palm Beach—O'Hara Construction Co., incorporated; D. E. O'Hara, 5206 S. Poinsettia St.

Ky., Ashland — Kentucky State Fish & Game Assn., Frankfort, plans fish hatchery at Flatwoods.

Ky., Lexington—Anglin Avenue Tobacco Co., capital \$35,000 incorporated; W. W. Greathouse, 135 N. Lime St.

Ky., Mt. Sterling—Farmers Warehouse Co., capital \$60,000, incorporated; W. C. Clay, William Highland.

Ky., Russellville—Highway Asphaltic Co., capital \$100,000, incorporated; Elmer C. George.

La., Lafayette — Building Materials, Inc., capital \$10,000, chartered; A. Edgar Gauthier, J. Chas. St. Germain.

La., Lake Charles—Coca Cola Bottling Co., T. L. Freeman, Sec., Front St., acquired site at Lawrence and Bilbo Streets, plans constructing bottling plant.

La., New Orleans — Tampa Inter-Ocean Steamship Co., Whitney Bldg., acquired Gulf West Mediterranean Line operating between Gulf ports of United States and Portuguese, Spanish and North African ports west of Bizerta and including Casa Blanca.

La., New Orleans — New Orleans Public Service, Inc., soon call for bids for constructing building for electrical division at Tulane Ave. and Cortez St.; rein. conc., struc. steel, 72x150 ft.

La., Westwego — General Industrial Co., Inc., Walter J. Trautman, Pres., New Orleans, acquired Kentucky Alcohol Corp., 1726 Lexington Rd., subsidiary of National Distillers Products Corp.; Kentucky corporation owns and operates an industrial alcohol manufacturing plant at Westwego and bonded warehouses and denaturing plants in Peoria, Ill., and Louisville, Ky. 5-9

Md., Baltimore—Borden Co., 350 Madison Ave., New York, reported, acquired control of Hendler Creamery Co., Supreme Ice Cream Co., Horn Ice Cream Co. and Clover Ice Cream Co.; following companies organized in connection with this merger: Hendler Creamery Co., Inc., capital 25,000 shares, incorporated, Mizell Wilson, White Plains, N. Y.; Horn Ice Cream Co., capital 30,000 shares; incorporated, S. L. Rosenberry, 30 E. 37th St., New York City; Supreme Ice Cream Co., capital 14,000 shares, incorporated, Leighton T. Wade, 107 Kensington Ave., Jersey City, N. J.; Clover Ice Cream Co., capital 50 shares, incorporated, S. O. Clarke, 439 W. 24th St., New York City; par value in each instance being \$100.

Md., Baltimore — Fleischmann Co., 701 Washington St., Royal Baking Powder Co., 27th St. and 13th Ave., both New York, will merge and form new food product company; Joseph Wilshire, Pres. of Fleischmann Co., will be president of new company.

Md., Baltimore — Raymond Concrete Pile Co., Munsey Bldg., and Sanford & Brooks Co., South and Water Sts., have contract for 7000 ft. bulkhead at plant at Point Breeze for Western Electric Co., 195 Broadway, New York. 5-16

Md., Baltimore — Gold Dust Corp., 15 Exch. Pl., Jersey City, N. J., reported, combined with Standard Milling Corp., also acquired food products division of American Linseed Co., 297 Fourth Ave., New York.

Miss., Artesia—Borden South Co., H. V. Sheloske, Supt., let contract to Bell Lumber Co., Columbus, for erecting plant.

Miss., Clarksdale—McInnis and Porter let contract to F. T. Blackburn for constructing funeral home; cost \$10,000.

Mo., Excelsior Springs—Excelsior Springs Baking Co. incorporated; George W. Arnold, W. D. Flack.

Mo., Grant City—Printing—Times-Tribune Corp., incorporated; R. V. Marshall, C. E. Stark.

Mo., Kansas City—Country Club Laundry B. M. Hall, Pres., 5026 Main St., erect \$20,000 laundry addition; brick, 1 story; A. B. Fuller, Archt., Orear Leslie Bldg.

Mo., Kirkwood — City, R. L. Jacobsmeier, Mayor, votes July 12 on \$50,000 bonds for purchase of additional fire equipment.

Mo., St. Louis—St. Johns Bread Co., capital \$200,000, incorporated; Paul J. Musoe, 5162 Maple Ave.

Mo., St. Louis—B-L Electric Co., Harold Wrape, Pres., 5564 Delmar Blvd., recently organized with capital \$50,000, acquired manufacturing division of Benwood-Linze Co., 1832 Washington Ave.

Mo., St. Louis—Orchard Paper Co., 1113 S. 12th St. merged with Midland Paper Co., H. C. Orchard, Pres.

Mo., St. Louis—St. Louis Bread Co., Fred Barr, V.-Pres., 1202 N. Kingshighway, erect bakery, brick, rein. conc., 2 stories and basement, 45 x 87 ft.; E. E. Christopher, Archt., 1221 Louderman Bldg.

Mo., St. Louis—Fred W. Fleming, Victor Bldg., Kansas City, and associates acquired Indemnity Co. of America.

N. C., Charlotte—Contracting—Thomason-Bartholomew Co., capital \$100,000, incorporated; B. W. Bartholomew, Piedmont Bldg.



N. C., Monroe City—Palmyra Creamery Co. erect \$13,000 building.

N. C., Mount Airy—Carolina Button Corp., capital \$40,000, incorporated; T. R. Robertson, J. H. Crossingham.

N. C., Neosho—Pet Milk Co. remodel present plant.

Okla., Clinton—City votes July 15 on \$15,000 bonds for fire fighting equipment. See Financial News Columns.

Okla., Cordell—Cordell Ice Cream Co. erect \$15,000 plant.

Okla., Henryetta—Pittsburgh Plate Glass Co., Grant Bldg., Pittsburgh, Pa., let contract to W. S. Bellows, Herskowitz Bldg., Oklahoma City, for erecting store room, machine shop and clay house, and to Rust Engineering Co., 606 Grant St., Pittsburgh, Pa., in connection with \$2,000,000 glass plant; Contract for main buildings not let. 6-6

Okla., Poteau—D. Reid plans \$75,000 creamery

Okla., Tulsa — Tulsa Park Board erect greenhouse at Mohawk, Pa., let contract to Foley Greenhouse Mfg. Co., Forest Park, Ill., for materials and heating system; cost \$10,000.

Okla., Wilson—J. H. Clark acquired Wilson Post-Democrat weekly newspaper.

Tenn., Hollywood, Memphis—Cudahy Packing Co., C. S. Meehan, Local Mgr., let contract to Charles L. Stehle & Co. for building to be used for manufacturing hydrogen; steel frame, corrugated asbestos, fireproof; cost building and equipment, \$40,000.

Tenn., Johnson City—City Council let contract to Seagraves Corp., Columbus, Ohio, for 1000 gal. triple combination engine.

Tenn., Kingsport — Tennessee Eastman Corp. let contract to Gauger-Korsmo Construction Co., 141 Delity Bk. Bldg., Memphis, for two of four buildings to comprise plant for manufacture of cellulose acetate; largest of buildings to be 100x320 ft., 1 story, with section of 3 stories; group will also include power house to supply steam and electrical requirements; Baker & Spencer, Power House Engrs., 17 Battery Place, New York.

Tenn., Memphis—Crystal Steam Laundry, 656 Madison St., increased capital to \$75,000.

Tenn., Morristown—Pet Milk Co., Arcade Bldg., St. Louis, Mo., acquired Hamblen, Green & Cooke County Creameries.

Tenn., South Pittsburg—City will expend \$10,000 for fire fighting apparatus.

Tex., Amarillo—Rucker Candy & Ice Cream Co., 601 Grant St., plans \$35,000 factory.

Tex., Beaumont—John C. Fertitta, 2485 Park St., erect \$25,000 cleaning plant at Sabine Pass Ave. and Shamrock St.; brick, 1 story, 90x70 ft.

Tex., Brownsville — McKnight Plumbing Corp., capital \$25,000, incorporated; W. H. McKnight, J. T. Walker.

Tex., Childress—Hargrave Laundry, Inc., let contract to H. W. Thaten for laundry building; brick, rein. conc., 1 story, 50x140 ft.; Roy K. Hamberlin, San Angelo & Builders Exchange Bldg., San Antonio.

Tex., Dallas—Selberling Rubber Co., Akron, Ohio, advises reports company considering establishing tire plant in Texas are without foundation and company has no intention of building plant in Texas. 6-13

Tex., Gatesville—Borden Co., 350 Madison Ave., New York, erect \$25,000 plant.

Tex., McAllen—J. W. Davis Electric Co., capital \$20,000, incorporated; J. W. Davis, Rhea Clark.

Tex., Mexia—Borden Co., 350 Madison Ave., New York, plans establishing cooling plant.

Tex., Quanah—Bergman Produce Co. erect cold storage plant.

Tex., Sherman—Meadolake Milk Products Co. plans improving plant.

Va., Brookneal—Fairmount Creamery Co., Columbus, Ohio, J. R. Yates, Local Mgr., erect building.

Va., Richmond—Overhead Door Co., capital \$500,000, incorporated; M. R. Mills, Jr., High Point & Rockbridge Ave.

Va., Rosslyn—Bergman's Dry Cleaners & Dyers, Inc., capital \$100,000, chartered; W. F. Bergman, Washington, D. C.

### Motor Bus Lines and Terminals

Ala., Anniston—Dixie Stage Lines, F. D. Caudle, Mgr., operate bus line between Anniston and Birmingham over Bankhead Highway.

Ala., Fairfield—City Council plans constructing bus terminal.

La., Shreveport—Fifty Cents Cab Co., Inc., capital \$50,000, incorporated; G. C. Johnson, 408 Washington St.

Mo., St. Joseph—United Truck Lines, Inc., chartered; John Long, 1005 S. Tenth St.

Okla., Oklahoma City—State Corp. Comm. granted permit to Motor Transit Utilities Co. to operate passenger and express line from Oklahoma City to new oil and gas field southeast of city.

Tenn., Nashville—State Railroad & Public Utilities Comm. granted C. H. Murphey permission to operate truck line between Mt. Pleasant and Nashville.

### Motor Cars, Garages, Filling Stations

Ala., Anniston—King Motor Co. let contract to Johnson Construction Co., 302 Bartin Bldg., Birmingham, for \$35,000 building; rein. conc., 2 stories and basement, 95x100 ft.; W. T. Durrett, Engr., 1001 Liles Bldg.

Ala., Birmingham—Dunlan & Jenkins erect \$28,000 garage, 2516 Sixth Ave.; brick, 2 stories, 50x190 ft., built-up roof; owner builds.

Ala., Birmingham—Gulf Refining Co., 1312 N. Eighth Ave., erect filling station, Tuscaloosa Ave. and Eighth St.; brick, hollow tile, 1 story; construction by owner.

Ala., Selma—W. P. Lunsford acquired Auto Service Co., 26 Church St.

Fla., Fort Myers—Firestone Service Stores, Inc., capital \$25,000, chartered; J. A. Frankline, Barbara Grewster.

Fla., Sanford — Sanford Motor Co., Inc., capital \$50,000 chartered; H. M. Watson, M. A. Carraway.

Fla., Tampa—Goodyear Tire & Rubber Co., Akron, Ohio, let contract to G. A. Hanson Co., Inc., 215 Madison St., at \$23,107 for 2-story building, Tampa and Krause Streets; brick on steel frame, cement floors, 27x92 ft.; Franklin O. Adams and J. M. Hamilton, Archts., 509 Twigg St.

Ga., Atlanta—Walter T. Candler, 20 Houston St., N. W., reported, let contract to Virginia Bridge & Iron Co., Roanoke, Va., for 245 tons of struc. stel for \$200,000 automobile building, W. Peachtree St. and Grant Pl. 6-20

Ga., Atlanta—Hugh Richardson, Jr., 160 Peachtree St., N. W., let contract at \$108,400 to J. S. McCauley Co., Bona Allen Bldg., for garage, Spring and Baker Sts.; rein. conc., stone, terra cotta trim, 129x99 ft., 3 stories and basement, tile and wood floors; A. Ten Eyck Brown, Archt., A. Barill, Jr., Asso. Archt., both Forsyth Bldg.

Ga., Camilla — Pan-American Petroleum Corp. let contract at \$10,000 to J. M. Culpepper & Sons, Pelham, for filling station; brick, comp. roof.

Ga., Dawson—Dawson Motor Co. let contract to A. C. Knight, Albany, for erecting building, Main St.; brick, 1 story and basement; Dennis & Dennis, Archts., 556 Mulberry St., Macon.

Md., Baltimore—Garden Garage Co., 216-18 W. Mulberry St., incorporated; John W. Otto, Sr.

Md., Baltimore—Desch Supply & Equipment Co., 2850 Harford Ave., incorporated; George J. Desch.

Md., Baltimore — O'Brien-Schaffer, Inc., Maryland Ave. and Putnam St., incorporated; Phillip J. O'Brien.

Miss., Jackson—Standard Oil Co. of Kentucky, acquired site at Capital and Moss St.; later plans erecting filling station.

Miss., Jackson — Watkins-Watkins & Eager, Watkins Bldg., let contract at \$11,650 to J. O. Manning, Cherokee Heights, for erecting 2-story building, Capital and Robinson Sts.; rein. conc., brick, steel; J. M. Spain, Archt., Millsaps Bldg.

Mo., Kansas City—John Wachter, 301 E. 66th St., erect \$30,000 garage, 18th and Benton Sts.; brick, 1 story; C. M. Williams, Contr., 4303 Main Street.

Mo., North Kansas City, Kansas City—Grimmer-Guy Motor Co., A. C. Guy, Pres., 18th and Swift St., let contract to Fritzen & Hufford, Armour & Erie Sts., for \$35,000 garage; brick, 1 story.

Mo., St. Louis—Lurie Motor Car Co., 3556 Lindell Blvd., leased building at 2807-11 Olive St.; will make extensive improvements.

Mo., St. Louis—Flint Chevrolet Co., 4714 Delmar Blvd., increased capital, \$25,000 to \$60,000.

N. C., Fairmount — Robeson Sales Co., capital \$25,000, incorporated; D. M. McMillan, Red Springs; J. L. Meehan, Fairmount.

N. C., Gastonia—Gulf Refining Co., M. E. Deltz, plans erecting 2 filling stations; one at Marietta and Airline Streets, and other at Franklin and Chester Streets.

N. C., Lillington—Bryant Motor Co., capital \$50,000, incorporated; R. M. Bryan, Jr., Richmond, a V.; Irma R. Smith, Dunn, N. C.

N. C., Red Springs—B. & C. Chevrolet Co., capital \$10,000, incorporated; A. L. Boatwright, Lucile S. Boatwright.

Okla., Fairview—Welborn Chevrolet Co., incorporated; J. J. Welborn, Maude A. Welborn.

Okla., Pawhuska—Osage Aircraft Co., capital \$25,000, incorporated; O. G. Corbin, Allan D. Masters.

Tenn., Memphis—Dave Derman Realty Co., Derman Bldg., erect building to be leased to DeSoto Garage; rein. conc., 2 stories.

Tenn., Nashville — Pritchett-Thomas Co., 717 Stahlman Bldg., erect \$500,000 automobile storage building, Seventh Ave.; fireproof, rein. conc., brick, 100x175 ft., 6 stories and basement, stone trim, built-up roof, steam heating; Marr & Holman, Archts., Stahlman Bldg.

Tex., Brady—W. L. Jones Motor Co. let contract to H. H. Richards for \$20,000 garage and display room; brick.

Tex., Corpus Christi—Nueces Motor Co., capital \$15,000, incorporated; C. E. Flock, Highland Estate addition.

Tex., Corpus Christi—Humble Oil & Refining Co., Houston, let contract to J. W. Birmingham, Amusu Bldg., for \$15,000 filling station, Water and Mesquite Streets. 6-13

Tex., El Paso—H. H. Hays, 1101 Robinson Blvd., let contract to George Beudell for \$17,000 battery station, Ochoa and Montana Streets; brick, stucco; Guy L. Frazer, Archt., Martin Bldg.

Tex., Uvalde—W. J. Swearingan let contract to A. Bauhoff for \$30,000 Ford garage; stucco, brick, hollow tile, 197x102 ft., conc. floor, steel trussed roof; Jeremiah Schmidt, Archt., New Braunfels. 5-30

Va., Norfolk—Chesapeake Auto Supply Co., 735 Granby St., increased capital \$50,000 to \$150,00.

W. Va., Barrackville—State Road Comm., Office of Division Engr., Morgantown, receives bids July 9 for conc. garage building, 90x30 ft.; plans, etc., from W. S. Downs, Division Engr., State Rd. Comm., Box 878, Morgantown.

W. Va., Charleston—Dr. J. F. Butts, 217½ Capitol St., will construct building on Broad St.; part of building to be occupied by Wickline Motor Co. and part by Ramsey Brake Service.

### Railways

Kentucky—T. J. Asher let contract to F. W. Graham Co., both Pineville, for grading and draining for 8 mi. railway in Bell County, beginning at Heyburn to tract of 28,000 acres of timber and coal lands; Louisville & Nashville R. R. to lay and maintain track. 5-2

La., DeQuincy—Missouri Pacific Lines, C. S. Kirkpatrick, Ch. Engr., Houston, Tex., let contract to Orange Car & Steel Co., Orange, Tex., for constructing 24x80 oil storehouse with struc. steel and corrugated asbestos super-structure.

La., Elizabeth—Elizabeth South Railway Co., incorporated; R. M. Hallowell, S. M. Lee.

Maryland — Interstate Commerce Comm., Washington, authorized John Hersker, and Castleman River R. Co., S. H. Bracey, Pres., Philadelphia, Pa., to acquire and operate 13 miles of railroad in Garrett County, formerly owned by Castleman Valley R. R. Co., and extending about 5 miles south of Jennings to Maryland-Pennsylvania State Line; also authorized to operate railroad and property of Pennsylvania-Castleman Valley R. R., extending about 1 mile from connection with Castleman Valley north to connecting with Baltimore and Ohio Ry. at Worth Junction.

Md., Baltimore — City Council passed 3 ordinances authorizing Pennsylvania Railroad, W. W. Atterbury, Pres., Philadelphia, Pa., to proceed with \$22,500,000 project for electrification, new double track tunnels, and terminal facilities; George M. Smith, Gen. Agt., Baltimore, announced preliminary work on project will be undertaken at once, first steps will be purchase of proerties in strip under which new tunnels will be constructed. 6-21

Miss., Columbus — Columbus & Greenville Ry., A. T. Stovall, Pres., applied Interstate Commerce Comm., Washington, for permission to issue \$450,000 of 5½% equipment trust certificates; proceeds will be used in connection with purchase of 300 box cars from American Car & Foundry Co., 30 Church St., New York.

Mo., Birmingham—Chicago, Rock Island & Pacific Ry. Co., W. H. Petersen, Ch. Engr., Chicago, Ill., let contract to Clinch-Mitchell

Construction Co., 176 W. Adams St., Chicago, for 20 miles of line extending from near Trenton, southwesterly toward Kansas City; in connection with line to be constructed from Birmingham to Coburn, balance of line to be constructed at some future date. 6-6

Mo., Jefferson City—Missouri Pacific R. Co., E. A. Hadley, Ch. Engr., St. Louis, plans rehabilitation of Bagnell branch, extending from Jefferson City to Bagnell.

Texas—Interstate Commerce Comm. Washington, authorized Southern Pacific Co., P. Shoup, Pres., San Francisco, Cal., to issue \$6,825,000 equipment trust certificates, Series L.

Texas—Interstate Commerce Comm. authorized Texas & New Orleans R. R. Co. to acquire control by lease of Texas State R. R. Co.; both companies subsidiary of Southern Pacific Lines, R. W. Barnes, Ch. Engr., Houston.

### Railway Shops and Terminals

Ark., Fort Smith—St. Louis-San Francisco Ry., E. L. Collette, Division Engr., erecting buildings; construction by Mechanical Dept., J. D. Heyburn, Master Mechanic, Fort Smith. 6-13

### Roads, Streets and Paving

In connection with LAND DEVELOPMENT large sums are expended for roads, streets, paving and sidewalks. Details will be found under that classification.

#### Proposed Construction

Ala., Birmingham—City Comm. authorized expending \$48,252 for paving Tenth Court, First Ave., and Fifty-sixth St.; storm sewers at Twenty-first Place, north; A. J. Hawkins, City Engr.

Ala., Birmingham—City Comm. plans expending \$14,425 to pave Twenty-third St., and lay sanitary sewers in North Birmingham and in Thirty-eighth St.; A. J. Hawkins, City Engr.

Ala., Birmingham—City Comm. receives bids July 10 for asphalt on conc. paving, cement sidewalks, conc. curbing, gutters, etc., on various streets; total cost \$51,070; A. J. Hawkins, City Engr.

Ala., Jasper—City Council considering paving 5 mi. dirt streets with asphalt or other hard surface.

Ark., Fayetteville—City Council completed plans for extending Wilson St. north to connect with county farm road.

Ark., Little Rock—City, Pat L. Robinson, Mayor, plans expending \$125,000 for street widening. See Financial News Columns.

Ark., Pine Bluff—City plans creating improvement dist. to pave and widen to 36 ft., 14 blocks West Seventeenth Ave., State to Ohio St., being part of Arkansas-Louisiana Highway; estimated cost \$50,000.

Ark., Rogers—City plans 1 mi. conc. road to city cemetery; plans expending \$10,000 to purchase right of way. See Financial News Columns.

Fla., Clearwater—Pinellas County Commrs. plan expending \$75,000 for road and bridge building in Dist. No. 4. See Financial News Columns.

Fla., Orlando—City Comm., J. A. Stinson, City Clk., plans paving Conrad road, Kaley Ave. and Evans St.; sold bonds.

Ga., Dalton—City, G. W. Keisler, Clk., receives bids July 1 for 6,200 sq. yd. paving, 4,130 lin. ft. conc. curbing, 2,100 cu. yd. excavation; Knox T. Thomas, Engr., 611 McGlawn-Bowen Bldg., Atlanta.

Ga., LaFayette—Walker County will rebuild central branch of Scenic Highway from Alabama line; will grade about 1 mi. road, north of Bowers Gap, to Dade County line, Lookout Mountain area; will build bridge at Triplett Place.

Ga., Rockmart—L. C. Hillsey, Supt., Water & Light Dept., receives bids July 1 for conc. sidewalks, curbing, gutters, for 400-house village; Robert & Co., Engrs., Bona Allen Bldg., Atlanta.

Ga., Tooea—City plans expending \$15,000 for street improvement. See Financial News Columns.

Ky., Hickman—Fulton County, Con W. Craig, County Commr., plans Cayce to Jordan road, Dresden road and raising levee on Fulton to Hickman Highway.

Louisiana—Louisiana Highway Comm., O. K. Allen, Comm., Baton Rouge, received low bids for 11 roads and 4 bridges: Bossier

Parish—\$1.163 mi. Bossier City to Louisiana-Arkansas line, Sam T. Boyd, Columbia, Miss., \$56,000; Rapides Parish—5.874 mi. between parish line and Calcasieu River, J. D. Burnett, Houma, \$62,189; St. Landry Parish—5.99 mi., Courtableau Bridge to Port Barre, Standard Highway Co., Hammond, \$91,545; East Feliciana Parish—13.19 mi., Clinton to parish line, J. H. Newton, Amite, \$31,310; Sabine Parish—drainage structures on Swolle-Converse Highway, A. C. Campbell, Winnfield, \$11,255; St. Helena Parish—drainage structures on highway, between Greensburg and Mississippi State line, J. H. Newton, \$13,504; Ascension Parish—2.71 mi. Donaldsonville-St. James Highway, Hoffman & Jones, Madisonville, \$33,685; 1.5 mi. Belle-Helene road, Picard Construction Co., Hicks Bldg., New Orleans, \$16,297; St. John The Baptist Parish—1.17 mi. Lucy Goldmine, Tiercut & Co., Plaquemine, \$14,762; Iberville Parish—1.9 mi. Bayou Goula, Tiercut & Co., \$22,962; St. James Parish—1.6 mi. Convent, Hoffman & Jones, \$18,305; 2.43 mi. St. Elmo-Lutcher, Hoffman & Jones, Covington, \$26,705; Bridges: West Feliciana Parish—bridge over Thompson's Creek, Wakefield-Jackson Highway, Gannett, Seeley & Fleming, Mansfield, \$12,565; Plaquemine Parish—bridge over Doullut's canal, Gretna-Fort Jackson Highway, A. A. Buras, 3128 De Sota St., New Orleans, \$7,508; W. H. Norckauer, State Highway Engr. 5-30

La., Alexandria—City Council receives bids July 1 for rein. conc. paving, Twenty-second, Chester and Ash St.

La., Crowley—Acadia Parish considering resurfacing strip of road west of Egan; building bridge across Bayou Des Cannes.

La., Jonesboro—Louisiana Highway Comm., O. K. Allen, Chmn., Baton Rouge, may let contract before Sept. to pave 18-ft. Jefferson Highway through Jonesboro, Jackson Parish.

Maryland—State Roads Comm., G. Clinton Uhl, Chmn., Baltimore, receives bids July 2 for 6 roads: Montgomery County—3.2 mi. conc. Etchison-Damascus road, end of Cont. M-120 to Damascus, Cont. M-123; Prince George's County—4 mi. gravel, Brandywine-Aquasco road, end of Cont. P-90 toward Aquasco, Cont. P-94; St. Mary's County—2.5 mi. gravel, from Valley Lee-Porto Bello road to Dryden P. O.; 5 mi. gravel through St. George's Island, from end of Cont. SM-37, Cont. SM-54; Kent County—3.3 mi. conc., Millington-Delaware Line road, from end of Cont. K-34 to Delaware Line, Cont. K-36; Washington County—47 mi. Amiesite surface, on macad. base, Potomac St., Williamsport, Cont. W-63; L. H. Steuart, Sec.

Maryland—State Roads Comm., G. Clinton Uhl, Chmn., Baltimore, received low bids for 6 roads and 2 bridges: Carroll County—.99 mi. conc., Manchester-Lineboro road, Thomas, Bennett & Hunter, Westminster, \$24,469; Howard County—.97 mi. conc., Montgomery road, from end of cont. Ho-25, toward Clarksville Pike, Christliff & Ensey, 1625 Ridgely St., Baltimore, \$17,911; Harford County—2.36 mi. conc., Philadelphia road, Van Bibber to Edgewood, P. D. Phillips & Bros., Salisbury, \$53,875; Caroline County—2 mi. conc., Denton-Bureau road, near Watts Corner to Andersontown, Hannan-Burroughs Co., Salisbury; Howard County—3.01 mi. conc. shoulders and resurfacing, Baltimore-Washington Blvd., American Paving & Contracting Co., 2525 Montebello Ave., Baltimore, \$102,435; Baltimore and Howard Counties—3.05 mi. shoulders and resurfacing, Baltimore-Washington Blvd., Baltimore City limits to Lawyer's Hill road, P. Flanigan & Sons, Inc., Harford Road and B. & O. R. R., \$113,385; Allegany County—doubled span rein. conc. girder bridge, over Jennings Run, east end of Mt. Savage, Allied Pneumatic Service, Inc., Lenox Bldg., Washington, D. C., \$12,838; double span rein. conc. girder bridge over Jennings Run, west of Barrelville, on road from Cumberland to Mt. Savage, Allied Pneumatic Service, Inc., \$14,000; L. H. Steuart, Sec. 5-30

Maryland—State Roads Comm., G. Clinton Uhl, Chmn., Baltimore, received low bids for 8 roads and 2 bridges: Alleghany County—7 mi. conc. shoulders, National Pike, Town Creek to top of Green Ridge, Thomas Bennett & Hunter, Westminster \$71,649; Washington County—3 mi. macad. resurfacing, Williamsport toward Huetette, H. W. Kaylor, \$35,207; Baltimore County—.68 mi. sheet asphalt, York road, McCabe Ave. to Church Lane, P. Flanigan & Sons, Harford road and B. & O. R. R., Baltimore, \$62,518; Prince Georges County—.9 mi. conc., Riggs road to County line, Southern Maryland Construction Co., E. Lexington St., Baltimore, \$23,510; Charles County—1.5 mi. gravel, La Plata-Indianhead road, toward Port Tobacco, Jarboe-Houghton, Mechanicsville, \$17,885; St. Marys County—1 mi. gravel, Ridge toward Trap, and 1 mi. gravel, Cedar Point road,

Pembroke & Gasparovic, Park Hall, \$13,508; Dorchester County—1 mi. conc., Mount Holly toward Airey, P. D. Phillips & Bros., Salisbury, \$20,346. 6-13

Md., Baltimore—City, Bd. of Awards, received low bid from Wm. F. Huse, 2800 Montebello Ave., \$26,185, for 38,000 cu. yd. grading, Cont. 525; American Paving & Contracting Co., Montebello Ave. and B. & O. R. R., \$50,095, for Cont. No. 527; T. Brennan & Sons, 2018 W. North Ave., \$25,023, for Cont. No. 526; Nathan L. Smith, Highways Engr. 5-9

Md., Frederick—City, Lloyd C. Culler, Mayor, plans widening Bentz St.; extending West Second St. through to city limits; Jefferson St., Patrick to Carroll Parkway; Elmer St. C. Maxwell, City Engr.

Md., Rockville—Montgomery County Commrs. may widen Commerce St. 16 ft., in Rockville.

Miss., Kosciusko—City, Mayor and Bd. of Aldermen, receive bids July 2 for 4,000 lin. ft. curb and gutter, 4,800 sq. yd. paving, 1,750 cu. yd. excavation, sewers, inlets, etc., on Jackson St.; 2,760 sq. yd. 6-in. rein. conc. paving, 2,100 sq. yd. gravel surface on Railroad Ave.; 1,400 lin. ft. curb and gutter, 1,400 sq. yd. paving, sewers, inlets, etc., West Jefferson St.; Culley-O'Brien Engineering, Inc., 206 Lampton Bldg., Jackson.

Miss., Ellisville—Jones County Bd. of Suprvs. receives bids July 3 for grading roadway east of Tallahala Creek, on Laurel-Ovett road.

Miss., Marks—Town, E. L. Boudreau, Clk., receives bids July 12 for 5,900 sq. yd. 7-in. plain conc., 6-in. conc. base with Kentucky rock asphalt top, or gravel base, Kentucky asphalt top, paving; 1,450 lin. ft. 8-in. curb, 24-in. gutter; 600 lin. ft. sewer; 1,500 cu. yd. excavation; Bobo & Collier, Engrs., Clarksdale. Lately noted bids June 13. 5-30

Miss., McComb—City, B. E. Butler, Clk., plans expending about \$500,000 for paving, sidewalks, curb and gutter on about 100 blocks of streets; Henry A. Mentz & Co., Engrs., Hammond, La.

Miss., Mt. Olive—Whells Engineering Co., Hattiesburg, completed survey for proposed sidewalks on main streets; O. F. Smith, Mayor.

Miss., Poplarville—Pearl County Bd. of Suprvs. receives bids July 1 to hard surface with gravel 8 mi. road from beat line, between Beat 1 and 2, near Camp Rowlands, to Charles County line, at foot of Hunt's Hill; H. K. Rouse, Clk.

Miss., Sardis—Panola County Bd. of Suprvs. receives bids July 1 for 3 graveled roads in Suprvs. Dist. No. 1: 3 mi. U. S. Highway No. 51, from point east of Como to Tate County line; 4 mi. Old Panola road from point on road at beat line to Wallace's Corner; 3 mi. Harry Taylor road, from intersection of U. S. Highway No. 51 westwardly; J. A. Carter, Clk.

Mo., Ava—State Highway Comm., Jefferson City, will let contract in July for 10 mi. Highway No. 14, east from Ava; also bridge over Whites Creek; T. H. Cutler, State Highway Engr.

Mo., Clayton—St. Louis County, Walter E. Miller, Clk., received low bid from J. L. Moss, 1908 North and South St., St. Louis, \$24,356, to improve Fox Creek road; from H. B. Dawson, 6734 Scanlon Ave., \$45,363, to pave Hanley road. 5-30

Mo., Joplin—City, O. P. Mahoney, Commr. of Streets, plans 14,450 sq. yd. conc. paving, Fourth St., Main to alley west of Gray Ave.; cost about \$28,900.

Mo., Kansas City—City, Matthew S. Murray, Dir. of Public Works, received low bids, \$10,961, for curbing and bit. macad. paving on three streets: Boyle Construction Co.; Hyman Spitcaufsky; Fred Lorimer; Hoover Brothers.

Mo., Lynn—See Bridges, Culverts, Viaducts.

Mo., Springfield—City, C. A. Dickerson, Clk., considering paving West Walnut St., Fort Ave. to West Ave.; S. R. Fisher, City Engr.

N. C., Bakersfield—Champion Fibre Co., Canton, may grade and hard surface 8 mi. road to top of Roan Mountain from Burleson's Store, having recently purchased paper timber and hardwood on 2890 acres on Roan Mountain.

N. C., Charlotte—City, Mayor Wilson, plans widening East Fifth St., North Tryon to North College, and South Brevard St., Trade to Fourth St.

N. C., Roxboro—Town, B. B. Mangum, Mgr., receives bids July 5 for 15,000 lin. ft. curb and gutter, 1,000 sq. yd. conc. sidewalks; Spoon & Lewis, Engrs., Greensboro. 6-20



Okla., Norman—City plans 1½-in. rock asphalt resurfacing, West Main St.

Okla.—State Highway Comm., John H. Rightmire, Acting State Highway Engr., Oklahoma City, plans receiving bids soon for 2 highways: In McCurtain County: In Pushmataha County.

Okla., Chickasha—State Highway Comm., John H. Rightmire, Acting State Highway Engr., Oklahoma City, plans letting contract in midsummer to pave Highway No. 7, Blanchard to Chickasha, Grady County.

Okla., Oklahoma City—City, E. M. Fry, Mgr., plans widening Third St. 20 ft., Broadway to Santa Fe tracks; 18 ft., railway tracks to Walnut Ave.; plans paving Twenty-ninth St., Paseo to Shartel Ave.; W. W. Small, City Engr.

Okla., Oklahoma City—City, E. M. Fry, Mgr., plans receiving bids to widen Broadway, to 72 ft., Thirteenth to Fifteenth St.; to 54 ft., Fifteenth to Twentieth St.; widen drives around Winans Park to 27 ft., Twentieth to Twenty-second St.; W. W. Small, City Engr.

Okla., Stillwater—Payne County Comms., E. T. Thatcher, Commr., plans 20 mi. paving and 15 mi. grading, draining, on several roads, between Stillwater, Cushing and Drumright, Creek County: State Highway No. 1 east of Stillwater: State Highway No. 33, east of Cushing; \$350,000 available.

Okla., Tulsa — City Comm., Dan Patton, Mayor, plans 7 new paving districts, including several in Red Fork area; Twenty-eighth, Fourth-second, Twenty-seventh; also Atlanta, Columbia Ave.; sanitary sewer dist., Lorraine Terrace addition; plans receiving bids; K. R. Teis, City Engr.

Okla., Tulsa — City, Dan Patton, Mayor, considering paving Zenith Ave., Forty-first to Forty-third St.; Forty-first Place, Zenith Ave. to Clinton; paving Utica Ave., Twenty-first St. to Twenty-sixth Place; estimated cost \$28,807; plans receiving bids soon to pave Quaker Ave., Twenty-ninth to Thirty-first St., K. R. Teis, City Engr.

Tenn., Knoxville—City, Neil Bass, Mgr., receives bids July 1 for \$365,000 paving program, in 33 districts. 6-20

Tenn., Memphis—City, D. C. Miller, Clk., received low bids for paving following streets: F. D. Harvey, 688 Bellevue St., \$15,494, for Cameron St.; \$18,895, Kyle St.; \$5,318, for Belia Place; \$10,616, Saxon Ave.; \$6,387, Neise St.; \$19,268, Claybrook St.; \$7,619, Landis St.; Hogan Construction Co., Ft. of Auction St., \$10,182, for Ridgeway St.; \$8,791, for Talbot St.

Tenn., Nashville — City, Bd. of Public Works, considering improving various streets, including widening Seventh Ave., North, Broadway to alley south of Church St., and widening Eighth Ave., south, to 50 ft. from Broadway to city limits; W. W. Southgate, City Engr.

Tenn., Rogersville—Dept. of Highways and Public Works, R. H. Baker, Highway Commr., Nashville, plans expending \$120,000 to widen to 18 ft. and resurfacing with bit. material and crushed stone 30 mi. Highway No. 1, from Kingsport to Rogersville, Hawkins County.

Tenn., South Pittsburgh—City Comm. plans expending about \$60,000 to improve streets in downtown section. See Financial News Columns.

Tex., Amarillo — School Board, Dr. D. Roach, Chmn., may receive bids soon for paving at 6 schools and sidewalks at 3 schools; approximate cost \$15,000.

Tex., Anahuac—Chambers County Comms., plan expending \$50,000 to improve 2 roads in Precinct No. 3; Shell Smithpoint road; improve Stowell-High Island road. See Financial News Columns.

Tex., Austin — Travis County, Geo. S. Mathews, Judge, receives bids soon for 3 roads: 1.5 mi. Lund Road north to Williamson County line; 3.2 mi. Wells road; 1.8 mi. Hodde Lane.

Tex., Angleton — State Highway Comm., Austin, will grade and drain 8 mi. Highway No. 58, Brazoria County, between Bernard River and Matagorda County line; Gibb Gilchrist, State Highway Engr.

Tex., Austin—State Highway Comm., Austin, plans ½ mi. road, connecting Highway No. 2 and old Georgetown or Burnet road, north of city limits; D. E. H. Manigault, State Div. Engr.; Gibb Gilchrist, State Highway Engr.

Tex., Calvert—City, F. W. Oberbotz, Sec., plans expending \$65,000 for street paving. See Financial News Columns.

Tex., Canton—Van Zandt County Comms., Court plans expending \$299,000 for lateral roads connecting with state highways; \$500,-

000 toward hard surfacing state roads. See Financial News Columns. 4-4

Tex., Corpus Christi—City, Theo. Koester, Sec., plans widening Leopard St., Waco to Black St.; Glen R. Blackburn, City Engr.

Tex., Dallas—Dallas County Comms., J. W. Gill, Commr., plans survey for scenic drive along King's Branch, Trinity Heights, joining Oak Cliff end of Corinth St. Bridge; build underpass Waco Interurban tracks, and overpass Santa Fe railway tracks.

Tex., Galveston—City, Adolph Suderman, Commr. of Streets and Public Property, considering widening, lighting and draining Market St.; W. B. McGarvey, City Engr.

Tex., Houston—City, Walter E. Monteith, Mayor, plans expending about \$2,000,000 for paving and improving 11 major thoroughfares; H. L. Shaw, City Engr.

Tex., Houston—City, Walter E. Monteith, Mayor, plans paving Clinton Drive, Bringhurst to Kress; 52 ft. wide, Lockwood to Kress; two 30-ft. roadways, and 30-ft. esplanade, Lockwood to Brinhurst; estimated cost \$206,000; H. L. Shaw, City Engr.

Tex., San Antonio—City, Fred Fries, Clk., receives bids July 1, to improve West Hulsache Ave., Fredericksburg road to S. A. & A. P. tracks; I. Ewig, City Engr.

Tex., Sulphur Springs — Hopkins County Comms., Court plans expending \$1,750,000 for north and south road through county and numerous lateral roads. See Financial News Columns. 5-30

Tex., Waco—State Highway Comm., Austin, will asphalt 1 mi. Meridian road around Waco State home; E. Woodward, Div. Highway Engr.

Tex., Wichita Falls—Wichita County, E. P. Walsh, County Auditor, receives bids July 22 for 1¼ mi. Duraco rock asphalt surface, Old Burk Burnett-Wichita Falls road; J. M. Isbell, County Engr.

Tex., Wichita Falls—City, George D. Fairtrace, Mgr., plans curbing along 60-ft. pavement strip on Seventh St., Holliday to Brook.

Va., Hopewell—City, Roy S. Braden, Mgr., plans street improvement. See Financial News Columns. 5-30

Va., Richmond—City, R. Keith Compton, Dir. of Public Works, considering widening Twelfth St., Cary to Canal; smooth-pave Main St., Cherry to Boulevard.

W. Va., Charleston—City, Mayor Wertz, considering widening Washington St. 10 ft.

W. Va., Clarksburg — Harrison County Court, Maurice L. Loudin, Clk., receives bids July 31 for 21 roads and bridges: Project No. 137, Clark Dist.—1 1/3 mi. stone base, Davidson Run road; No. 142, Eagle Dist.—1 mi. grading, rebuilding and bit. surfacing, Meadowbrook road; No. 143, Eagle Dist.—1 mi. stone base surface, Bingamon Creek road; No. 144, Elk Dist.—1/3 mi. grading, draining, stone base surface, from Clarksburg-Buckhannon State road, southerly; No. 145, Grant Dist.—2 mi. grading draining, Clarksburg-Weston road; No. 146, Sardis Dist.—2/3 mi. stone base surface, Elliott road; No. 147, Sardis Dist.—1 mi. grading, draining, stone base surface, Tennile Creek road; No. 148, Simpson Dist.—1¼ mi. rebuild and bit. surface, Jo Davissan Run road; No. 149, Simpson and Clay Dist.—1.8 mi. stone base surface, Boothsville road; No. 150 Simpson Dist.—1 mi. grading, draining, Simpson Creek road.

In No. 151, Simpson Dist.—1 mi. grading, draining, Brushy Fork road; No. 152, Tennile Dist.—1½ mi. stone base surface, Patterson Fork road; No. 153, Tennile Dist.—1 mi. grading, draining, stone base surface, Grass Run road; No. 154, Union Dist.—¾ mi. grading, draining, stone base surface, Isaac Creek road; No. 155, Union Dist.—1½ mi. stone base surface, Highland Bridge road; No. 156, Union Dist.—2/3 mi. grading, draining, Kincheloe Creek road; No. 157, Union Dist.—¼ mi. stone base surface, Big Buffalo road; No. 158, Union Dist.—1 mi. grading, draining, Tennile Creek road; No. 159, Eagle Dist.—1 mi. bit. surface, Robinson Run road; No. 160, Eagle Dist.—¼ mi. cement conc. surface, Bingamon Creek road; No. 161, Eagle Dist.—1 mi. grading, draining, stone base surface Nolan Run road; No. 140, Clay Dist.—Pine Bluff Bridge: Conc. substructure for steel bridge over Bingamon Creek, Pine Bluff.

W. Va., Weston—City Council considering widening to 18 ft. and paving with conc. Water St.

#### Contracts Awarded

Alabama—State Highway Comm., Woolsey Fennell, State Highway Dir., Montgomery, let contracts for 8 roads and 2 bridges: Mobile County—6.44 mi. cement conc., Mobile to Washington County line, Couch Construction

Co., Dothan, \$133,841; 14.90 mi. cement conc., between Axis and Calvert, Morgan-Hill Paving Co., Woodward Bldg., Birmingham, \$347,206; bridges to Morgan-Hill Paving Co., \$16,345; Tuscaloosa County—16.20 mi. cement conc., between Northport and Reform, Davis Construction Co., Walton Bldg., Atlanta, Ga., \$199,137; ½ mi. paving road, near Bryce Hospital, Tuscaloosa, Jones, Rast & Griffith, Birmingham, \$11,812; Pickens County—1.71 mi. grading, draining and graveling earth approaches to Cochran Bridge, H. N. Donahoo, 510 N. 21st St., Birmingham, \$24,151; Etowah County—slag surface road, from Gadsden to tire plant, Shruptrine Construction Co., Birmingham, \$6,456; Greene and Sumter Counties—grading, draining, surfacing approaches to river bridge at Gainesville, Hooper Construction Co., Brunel, Fla., \$21,080; bridges to J. T. McLemore, Eutaw, \$11,799; Cherokee County—grading, draining, surfacing approaches to river bridge at Cedar Bluff, R. H. Edwards, Sylacauga, \$26,578; bridges to C. H. Lowe, Center, \$8,312; Clarke County—bridge between Grove Hill and Jackson, Frost Construction Co., Montgomery, \$5,533; Bibb County—bridge work between Centerville and Perry County line, C. B. Cox, Clanton. 6-6

Ala., Birmingham—City Comm. let contracts totaling \$79,921, for 12 paving projects: To Walter J. Bryson Paving Co., Watts Bldg.; Wesco Co., 4501 Second Ave., N.; Independent Paving Co.; Mitchell Brothers Construction Co., 3828 First Ave., S.; Dunn Construction Co., Inc., Lincoln Life Bldg.; Southern Roads Co., Pioneer Bldg.; Reliance Concrete Co.; A. J. Hawkins, City Engr.

Ala., Jasper—Walker County Bd. of Revenue, O. L. McLaughlin, let contract to Brown-Sherer-Kilgore Construction Co., Jasper, \$60,000, for 9 mi. grading, graveling Parrish-Gorgas road. 5-2

Ala., Muscle Shoals—City, O. S. Welch, Clk., let contract to Mitchell Bros., 3828 First Ave., S. Birmingham, \$110,000, for grading, and 2-in. asphalt on 6-in. conc. paving, 27 blocks Gusman and Michigan Ave. 4-11

Ark., Conway—City Comms., H. Krieger, Chmn., let contract to Hogan Construction Co., Home Insurance Bldg., \$50,188, to grade, curb, conc. pave Annex No. 1, of Paving Dist. 11. 5-2

Fla., Pensacola—City Comm. let contract to Noonan Construction Co., E. Lloyd St., \$40,000, for 20 blocks street paving; J. Harvey Bayliss, Mayor. 5-16

Ga., Sylvester—Worth County Comms. let contract to J. W. Gwin, Comer Bldg., Birmingham, Ala., \$12,000, for 7 mi. surfacing Sylvester to Sumner road.

La., Slidell—Nashville Construction Co., Nashville, Tenn., has contract, \$80,000, to hard surface approaches to Lake Pontchartrain Bridge; 4 mi. 24-ft. inverted penetration asphalt topping on Slidell end of bridge; 6 mi. surfacing on New Orleans side.

Md., Baltimore—City, Bd. of Awards, let contract to Arundel Construction Co., Knickerbocker Bldg., \$34,138, for 14,250 sq. yd. cement conc. paving, conc. base; 3000 cu. yd. grading, curbs and gutters in Cent. 523; Nathan L. Smith, Highways Engr. 6-6

Md., Baltimore—City, Bd. of Awards, let contract to L. Pedro, 945 N. Central Ave., \$31,961, for 20,000 sq. yd. conc. paving, footways, Footway Cont. 112. 5-2

Md., Towson—Baltimore County Comms., John R. Haut, Ch. Clk., let contract to F. Carozza, Thornfield road, Govans, Baltimore, \$31,630, for 8 mi. conc. paving, Group 9.

Miss., Lexington—Holmes County Bd. of Supvrs. let contracts totaling \$30,905; to J. H. Morrow, Yazoo City, 15 mi. grading, graveling; to Dixie Culvert & Metal Co., 339 W. Oliver St., Memphis, Tenn., for culverts; to Copiah Gravel Co., Chrystal Springs, for pit run gravel.

Miss., Yazoo City—Yazoo County Bd. of Supvrs. let contract to A. J. Gregory, Bentonla, Miss., to gravel 2 roads: East of Bentonla; west of Mechanicsville; F. J. Love, Chancery Clk.

Mo., Kansas City—City, Matthew S. Murray, Dir. of Public Works, let contract to Midwest Paving Co., Twenty-fifth and Summit St., \$35,991, for asphaltic conc. paving, Fourteenth St., Campbell to Pasco St.

Mo., Kirkwood — City, W. J. Donworth, Clk., let contract to John Bergland, Kirkwood, for 4-ft. sidewalks on Rose Lane, Filmore St., etc. 6-13

Mo., St. Louis—City, Bd. of Public Service, let contracts totaling \$165,728 for improvements: To F. M. Stiers, Garrison Ave. and Magazine St., for conc. paving, Esther Ave.; Skrainka Construction Co., Security Bldg.,

paving Walbridge Place; Bridges Asphalt Paving Co., 1470 Kentucky Ave., asphalt paving Oregon St.; Cream & Scott Construction Co., 1242 Sublette Ave., pave Whittier St.; Trinidad Asphalt Manufacturing Co., 600 S. Teresa Ave., asphaltic conc., Marquette St.; A. C. Butterworth, Buder Bldg., Warrenite and Amesite paving, Westminster Place and Angelrod St.; Flinn Paving Co., 1405 South First St., paving Texas St.

N. C., Greensboro—Pres. and Bd. of Trustees, North Carolina College for Women, J. M. Sink, Supt., let contract to F. D. Lewis \$18,000, for grading and conc. work on campus and streets in front of administration building; Wm. F. Freeman, Conslt. Engr., 615 W. Lexington St., High Point. 6-13

Okla., Ada—City let contract to Chilcutt & Fry Bros., Ada, \$30,745, for grading, curbing gutters, sewers and 7850 sq. yd. 7-in. conc. paving.

Okla., El Reno—City let contract to H. L. Cannady & Co., 1122 S. Lewis St., Tulsa, \$19,565, for grading, paving 5 blocks 30-ft. Miles Ave.

Okla., Heavener—City, F. J. Folsom, Clk., let contract to Highway Construction Co., \$39,053, for 13,800 sq. yd. 6-in. conc. paving in Dist. No. 1-A and Dist. No. 1. 5-23

Okla., Newkirk—Kay County let contract to Southwestern Construction Co., Ponca City, for 16,450 sq. yd. conc. slab paving.

Okla., Oklahoma City—City, E. M. Fry, Mgr., let contract to M. A. Swatek & Co., 519½ W. Main St., to widen Twenty-fifth St., Robinson Ave. to Broadway; W. W. Small, City Engr.

Okla., Tulsa—City, Dan Patton, Mayor, let contract to Porter Construction Co., Lewis & Frisco tracks, \$14,415, to pave Third St., Harvard to Knoxville Ave.; K. R. Tels, City Engr.

Tenn., Springfield—City let contract to Eller & Olson, Cotton States Bldg., Nashville, \$49,000, for 5-in. conc. base, 2-in. asphaltic top, paving on Fifth and Eleventh Ave., Walnut St.

Tex., Dallas—Dallas County, Charles E. Gross, County Auditor, let contract to Dexter Construction Co., 18 cents per sq. yd., for 1 mi. asphalt treated Cedar Springs road beyond city limits. 6-6

Tex., Raymondville—Willacy County Commrs. Court, A. B. Crane, County Judge, let contract to F. P. McElwath Co., Harlingen and Corsicana, for 20 mi., 18-ft. conc. highway across county through Lyford; cost approximately \$425,000. 5-2

Tex., San Antonio—City, C. M. Chambers, Mayor, let contract to Southwest Bitulithic Co., 302 Cattra St., to improve West Mulberry St.; to Alamo Paving Co., 321 Dawson St., to improve Wickes St., Barbe to Temple. 5-30

Tex., Waco—City, Geo. D. Field, Sec., let contract to E. M. Rabon, Waco, to pave 2 blocks of streets with 2-in. hot rock asphalt on 5-in. conc. base; estimated cost \$8,449; to Standard Paving Co., Fort Worth, to resurface Elm, Fifth and Sixth St., and Austin Ave.; estimated cost \$18,147. 6-13

Tex., Wichita Falls—Wichita County, E. P. Walsh, County Auditor, let contract to G. G. Burgess, \$6,244, to gravel 2¼ mi. highway near Burk Burnett; 1½ mi. from Stringtown to Iowa Park road; ½ mi. road north of Burk Burnett; J. M. Isbell, County Engr. 6-6

Va., Chatham—State Highway Comm., H. G. Shirley, Commr., Richmond, let contract to Haynes Construction Co., Chatham, \$79,875, for Route 14, Chatham to Bannister River, Pittsylvania County.

## Sewer Construction

**Sewer construction in LAND DEVELOPMENT projects involves the expenditure of large sums of money. Under that classification details of these improvements are reported.**

Ala., Birmingham—City let contract to C. M. Burkhalter, Suburban Hotel for sanitary sewers 32nd Place; M. G. Harris, 452 S. 15th Pl., S. W., for sanitary sewers in Arkadelphia Rd., 16th St., etc.

Ala., Birmingham—See Roads, Streets, Paving.

Ark., Stephens—Southwestern Sewer Co., 1507 Caruth St., Dallas, negotiating for sewer franchise.

D. C., Washington—Dist. Commrs., let following sewer contracts: Joseph P. Masher, 4325 15th St., N. W., for service sewer, Jef-

erson St. Redwood Terrace, Birch Drive and storm water sewer Perry St., N. E.; M. Cain Co., Inc., 13 Sixth St., N. W., for storm water sewer Pennsylvania Ave., S. E., service sewer, Nicholson St., N. W.; Adams and Marino, Old Town National Bank Bldg., Baltimore, Md., for service sewer, Nash St., N. E., Meade St., Deane Ave. and 50th St. 6-13

Ga., Augusta—City receives bids July 5 for extending Hickory St. ditch. See Want Section—Bids Asked.

Ga., Jonesboro—City install sanitary sewers and septic tanks; J. B. McCrary Engineering Corp., Conslt. Engrs., Atlanta.

La., New Orleans—Globe Construction Co., Inc., Louisiana Bldg., reported, has contract for sewer main St. Ferdinand St. pumping station D.; John H. Murphy Iron Works, Inc., 700 S. Broad St., New Orleans, La., low bidder for riveted pipe and Welded Products Co., Inc., New Orleans, low bidder for welded pipe, for drainage system, Cont. 105-D.

Md., Easton—Sewerage Comn., formed by James B. Clark, Charles J. Butler, to take charge of \$40,000 bonds issue recently authorized by State Legislature; will float bonds and supervise construction of sewer extension in outlying sections of city.

Miss., Marks—See Roads, Streets, Paving.

Miss., Terry—Town having plans and specifications prepared by Boggs & Chalk, Jackson, for sanitary sewers; \$15,000 bonds available.

Mo., Fredericktown—City, W. A. Engel, Mayor, receives bids about July 1 for sanitary sewer system; work includes settling tanks and sludge beds; 15, 12, 10 and 8-in. v. s. pipe; Class A bell and spigot pipe, 102 manholes; non-automatic flush tanks; cost about \$100,000; W. A. Fuller & Co., 2916 Shenandoah Ave., St. Louis, Engrs.

Okla., Asher—City plans voting on bonds for sewer system. 6-6

Okla., Gotebo—J. D. Mann & Co., Petroleum Bldg., Oklahoma City, has contract for sanitary sewer system and sewage disposal plant.

Okla., Maud—City voted \$20,000 sewer extension bonds. 4-18

Okla., Tulsa—See Roads, Streets, Paving.

Tenn., Knoxville—City, reported, considering installation of storm and sanitary sewer; cost \$30,000; also install culvert and storm sewer on Temperance St.

Tex., Houston—C. K. Horton, 2202 Clay St., has contract for reconstructing sanitary sewer on Leeland St. from Scott to Hussion; cost \$40,000.

Tex., Midlothian—See Water Works.

Tex., Richmond—City voted \$50,000 sewer bonds; T. C. Edminster, Engr., Houston.

Tex., Texarkana—Charles A. Haskins, Engr., Finance Bldg., Kansas City, Mo., recommended following sewer improvements for Texarkana, Ark., and Tex.: installation of a mechanically cleaned bar screen, mechanical detritor for continuous and automatic removal of grit; construction of 2 closed gas collection type digestors; enlarge sludge drying beds; construction of final settling basin; cost of improvements \$67,000.

Va., Hopewell—City voted sewer bonds. See Financial News Columns. 3-21

Va., Hopewell—City let contract for year's supply of sand and gravel to Dixie Sand & Gravel Co., Finn Bldg., Petersburg, and Norfolk Sand & Gravel Co., 434 W. York St., Norfolk; for year's supply of conc. pipe to Concrete Pipe Products Co., Inc., American Natl. Bk. Bldg., Richmond.

## Street Railways

Miss., Jackson—Mississippi Power & Light Co. let contract at \$41,630 to Currie & Corley, Raleigh, for car barn and warehouse building, Commerce St.

Tex., Beaumont—Missouri Pacific R. R. Co., E. A. Hadley, Ch. Engr., St. Louis, Mo., reported, negotiating for purchase Beaumont-Port Arthur Interurban line.

## Telephone Systems

Ark., Delight—Delight Telephone Co., Ed. Kirkham, Mgr., plans rebuilding telephone system.

Ark., Newark—Southern Bell Telephone & Telegraph Co., Atlanta, Ga., plans erecting building.

Ky., Ashland—Standard Public Service Co., 34 Pine St., New York, acquired Ashland Home Telephone Co.; will offer \$500,000 1 year convertible 6% gold notes through G. V. Grace & Co., Inc., New York, to finance purchase.

Mo., Wellsville—Southwestern Bell Telephone Co., St. Louis, J. M. Carroll, Dist. Mgr., will expend \$10,000 to improve telephone system.

N. C., Charlotte—M. K. Gilliam, Asbury Park, N. J., acquired WBT radio station.

N. C., Greenville—Southern Bell Telephone & Telegraph Co., Atlanta, Ga., G. L. McCullough, Dist. Supt., let contract to Barge-Thompson Co., 136 Ellis St., N. E., Atlanta, Ga., for constructing first unit of repeater station on College St.; first unit cost \$30,000, completed building \$100,000.

Tex., Childress—Central Texas Telephone Co. increased capital, \$10,000 to \$35,000.

Tex., Libery—Edgar B. Buchanan plans constructing radio station of 100-watt capacity.

Tex., Marble Falls—Martin Telephone Co. acquired Marble Falls' telephone system.

Va., Brownsburg—Farmers' Mutual Telephone Co., incorporated; C. A. Heizer.

## Textile Mills.

Ga., Crawford—Crawford Cotton Mills, install 500 Northrop looms, and carding and other preparatory equipment.

Ga., Macon—R. H. Smalling & Sons, Macon, have contract for addition to Willingham Mills; brick and frame.

Ga., Rockmart—Whitin Machine Works, Whitinsville, Mass., reported, has contract for 50,000 spindles and accompanying equipment for Goodyear Tire & Rubber Co.'s Plant. 6-6

Md., Elk Mills—Elk Mills Fabrics Co., reported, acquired additional equipment; will erect power plant adjoining mill.

N. C., Burlington—A. M. Johnson Rayon Mill, Inc., Dr. W. O. Mitscherling, V. P., reported, plan expansion program; enlarge present building 4 times present capacity.

N. C., Enka—American Enka Corp., reported, let contract through W. Fred Casey, Charlotte, for incinerator, capacity 520 lb. per hr.; incinerator is a product of Morse-Boulger Destructor Co., New York.

N. C., Fayetteville—Puritan Weaving Co., reported, let contract to Crompton & Knowles Looms Works, Worcester, Mass., and Charlotte, N. C., for 96 silk looms. 6-20

N. C., Durham—Committee appointed to prepare plans for reorganization of structure of Durham Hosiery Mill; will submit same at adjourned meeting of preferred stockholders Oct. 2; D. P. Carey, Pres.

S. C., Autun—LaFrance Industries, (formerly Pendleton Mfg. Co.) installing water supply system; and other improvements; cost \$80,000.

S. C., Great Falls—Whitin Machine Works, Whitinsville, Mass., reported, has contract for spinning and other equipment for 16,000-spindle addition of Republic Cotton Mills. 6-6

S. C., Rock Hill—Rock Hill Printing and Finishing Co., let following contracts for machinery and equipment for plant under construction; Babcock & Wilcox Co., 85 Liberty St., New York, for three 400 h.p. boilers; Rice, Barton & Fales, Worcester, Mass., for 8 printing machines; H. W. Butterworth & Sons, 2417 E. York St., Philadelphia, Pa., for textile finishing machinery, William Allen Sons Co., Worcester, Mass., for bleaching machinery; Brown-Harry Co., Inc., 237 E. Main St., Gastonia, N. C., Gen. Contrs. 6-20

Tenn., Chattanooga—Richmond Hosiery Mills, Rome, Ga., erecting addition to mill at Daisy; brick, 1 story, cost without equipment \$50,000; manufactures children's hosiery.

Tenn., Columbia—T. C. Thompson & Bros., 712 N. Brevard St., Charlotte, N. C., has contract for mill unit for Cadet Knitting Mill, Philadelphia, and Columbia; 1 and 2 story and basement; 343x107 ft.; boiler house, 1 story, 31x25 ft.; rein. conc.; c. i. columns; struc. steel beams; brick walls; steel sash and doors; Robert & Co., Engrs., Bona Allen Bldg., Atlanta, Ga. 6-13

Tenn., Johnson City—Daintree Manufacturing Co., 110 McClure St., manufacturers of novelty edges, and bias tapes; plans expansion program for manufacture of rayon and Bemberg cloth.

Tenn., Nashville—Ingram Mfg. Co., formerly Thos. Henry Co., 63rd Ave. and Centennial Blvd., West Nashville, chartered with capital stock of \$775,000 by O. H. Ingram, Ernest Jones; acquired all assets of Thomas Henry Co.; will continue to manufacture cotton and marino yarns; plans for installing new machinery to replace old are under way; no further expansion plans in near future.

Tenn., Soddy—Mark K. Wilson Co., Power Bldg., Chattanooga, has contract for \$75,000 addition to Soddy Hosiery Mills; 2 story;



conc. footings; brick walls; tar and gravel roof; sprinkler system; wood floors; steel sash and doors.

Tex., Itasca—Itasca Cotton Mfg. Co. reported, installing forty 72-in. automatic bobbin chain looms.

Va., Covington—Industrial Rayon Corp., which has rayon plant under construction, granted charter under Virginia laws; Hyram S. Rivitz, Pres., W. 98th & Wolford Sts., Cleveland, O. 1-31

Va., Rocky Mount—Angle Silk Mills, Inc., changed name from Virginia Silk Mill; constructed silk mill. 6-13

Va., Tenn.-Bristol—Holston Construction Co., has contract for plant of Mutual Thread Co., 17 W. 17th St., New York City. 5-9

Tex., West—Brazos Valley Mills, reported, replacing 44 looms.

Va., Pamplin—Ideal Garment Co., Inc., capital \$15,000, chartered; F. H. Lukin, W. B. Rice.

Va., Suffolk—Bell Hosiery Mills, Inc., increased capital, \$140,000 to \$300,000.

### Water Works

**Details of water works improvements in connection with the many LAND DEVELOPMENT operations will be found under that classification.**

Ala., Greensboro—Alabama Water Service Co., Birmingham, reported, let contract to Layne-Central Co., Memphis, Tenn., for water supply system.

Ala., Greenville—City plans voting on \$18,000 water improvement bonds.

Ark., Stephens—Town, reported, considering granting water franchise.

Ark., Waldron—City plans water works system; C. E. Forrest and Russell Oliver, Comms.

Ark., Little Rock—Arkansas Water Co., granted franchise to lay 8-in. line on East Eighth St., fire hydrants, etc.

Md., Hyattsville—Washington Suburban Sanitary Dist. Comms., Tower Bldg., Washington, D. C., reported, let contract to United States Cast Iron Pipe & Foundry Co., Burlington, N. J., for 1675 tons of 6-in. to 12-in. water pipe.

Fla., St. Petersburg—Bd. of Comms. receives bids Aug. 1 for furnishing of water to city for 30 yrs. See Want Section—Bids Asked.

Ga., Augusta—City receives bids July 5 for earthen dam for storage reservoir. See Want Section—Bids Asked.

Ga., Macon—Bd. of Water Comms. let contract at \$17,135 to United States Cast Iron Pipe & Foundry Co., Burlington, N. J., and Birmingham, Ala., for 9480 ft. of c. i. pipe. 6-20

Ga., Milan—City votes June 28 on \$20,000 water works bonds.

Md., Baltimore—Ligon & Ligon, 3310 Ridgewood Ave., low bidder at \$26,549 for trenches, Tioga Parkway, and at \$14,829 for trenches, McComas St. 6-20

Md., Baltimore—Bd. of Awards receives bids July 2 for furnishing and installing station equipment at Vernon pumping plant. See Want Section—Bids Asked.

Md., Baltimore—Bd. of Estimates approved plan for laying water mains in Brooklyn Heights, Hillcrest and surrounding sections of Anne Arundel county, county will lay the mains, later deed them to city; \$50,000 bond issue authorized by Legislature.

Md., Elkton—Town Improvement Assn. of Cherry Hill, construct reservoir, impound water for fire protection.

Md., Frederick—City will open bids July 17 for trench work necessary for installation of pipe; U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J., has contract at \$45,000 for 15,000 ft. of 18-in. pipe.

Md., Sykesville—County Commr. Baltimore County, Towson, let contract to W. H. Thompson, Relay, at \$20,870 for water works system in Sudbrook Park and extension in other localities; B. L. Crozier, Engr., Metropolitan Dist., Towson. 6-7

Mo., Billings—City defeated \$40,000 water bond issue. 5-2

Mo., Poplar Bluff—City, C. M. Harwell, Clk., will receive bids about July 15 for water works improvements, including two 1,000,000 gal. per day filter units; 2,000,000

gal. per day settling basin with mixing chamber and aerators; 250,000 gal. surface clear water well; chlorinator; complete filter plant, operating and controlling equipment; brick and conc. building for same; 2 low head motor driven centrifugal pumps; 2 high head motor driven centrifugal pumps; 5000 gal. p. m. wash water pump, all necessary pipes, valves and fittings; 500,000 gal. water tower 80 ft. high, including foundations; Fuller Engineering Co., 2916 Shenandoah Ave., St. Louis, Engrs. 5-23

Okla., McAlester—City plans voting on \$100,000 bonds for replacing dam at No. 1 lake, improving No. 2 lake and McAlester lake.

Okla., Seminole—City votes July 16 on bonds for new and extension to water works; cost \$117,500; erect 250,000 gal. steel reservoir; Pal Noe, City Clk. See Want Section—Machinery and Supplies. 6-13

S. C., Autun—See Textile Mill.

Tenn., Murfreesboro—City voted \$250,000 water works bonds. 5-23

Tex., Ballinger—City has plans in progress for water works improvements; cost \$100,000; R. F. Davis, Engr., Nacogdoches. 1-24

Tex., Dallas—City Comm. approved revised contract with Frank Parrott & Co., American Exchange Bank Bldg., for constructing underground reservoir in Southwest Oak Cliff. 6-20

Tex., Edna—City, reported, considering installation of water and sewer system.

Tex., McCamey—City, reported, ratified sale of water plant and sewer system to Sutherland Barry & Co., Inc., Canal Bank Bldg., New Orleans, La.; Carl Pleasant, McCamey, has contract for improvements, including laying 8-in. line, 100,000 gal. conc. storage tank, etc.

Tex., Midlothian—City votes July 16 on \$65,000 bonds for water and sewers.

Tex., Naples—City votes July 2 on \$35,000 water works bonds.

Tex., Newton—Jefferson County Comms. Court let contract to J. D. Adams, for drilling deep water well; Chattanooga Boiler and Tank Co., 1011 E. Main St., Chattanooga, Tenn., for 50,000 gal. capacity water tank on 100 ft. tower. 5-30

Tex., Port Arthur—W. O. Bower, City Engr., recommended improvement, cost \$11,000, to water supply; work includes construction of levee on north and west side of reservoir No. 1.

Tex., San Marcos—W. G. Cullum, Central Bk. Bldg., Dallas, has contract at \$44,600 for water works extension. 6-13

Va., Salem—Roanoke County Bd. of Supervisors, granted Roanoke Water Works Co., franchise to lay water pipes and mains along public roads and streets, furnish water supply.

W. Va., Welch—West Virginia Water Service Co., 27 William St., New York, I. C. Johnson, Local Mgr., operators of water works, approved expenditure of \$12,500 for erection of iron removal plant, at Well No. 5, Southwest Addition; plans being prepared.

### Woodworking Plants

Mo., St. Louis—Carroll Furniture Co., 1116 Olive St., increased capital \$25,000 to \$50,000.

S. C., Florence—Hardwood Dimension Co., capital \$200,000, incorporated; W. W. Parr, D. V. Richardson.

Tenn., Knoxville—Sterling Wood Products Co., recently let contract to Johns-Manville Corp., 292 Madison Ave., New York for 10 dry kiln housings, each 120x20 ft., in connection with addition to auto body parts manufacturing plant for which J. M. Dunn & Son, 245 Broad St., have contract.

Tenn., Memphis—Murray Wood Products Co., W. H. Greenwalt, V.-Pres., and Gen. Mgr., subsidiary of Murray Corp. of America, Clay Ave. and Russell St., Detroit, Mich., let contract for 1600 tons of struc. steel to Virginia Bridge & Iron Co., Roanoke, Va., for new north unit. 5-16

### FIRE DAMAGE

Ala., Headland—Gulf Region Lumber Co.'s mill; loss \$250,000.

Ala., Ramer—Ramer Drug Co.'s bldg. and G. C. Turnipseed mercantile store; post office, address The Postmaster; loss \$10,000.

Ala., Tuscaloosa—Laundry bldg., Bryce Insane Hospital, loss \$25,000; main offices, West End Lumber Co., loss \$10,000.

Ark., Russellville—J. J. Shoptaw Co.'s planing mill; loss \$10,000.

Ky., Lexington—Crystal Restaurant, Ideal Restaurant, Greek Restaurant, Baynham's shoe store, Cohen-Stop Billiard Academy, United Cigar Store, Beke's Jewelry Shop, Farley Clothing Co.'s store; loss \$100,000.

Ky., Lexington—Dr. J. C. Carrick's building; loss \$50,000.

La., Columbia—Mill owned by Standard Lumber Co., Pine Bluff, Ark.; loss \$25,000.

La., Melville—Mrs. L. B. Penton's hotel; loss \$10,000.

La., Ruston—E. L. Tuten Lumber Co.'s buildings.

N. C., Lexington—Flour mill of Star Milling Co., loss \$60,000.

Tenn., Monteagle—Monteagle Hotel, owned by Monteagle Development Co., John W. Harton, Pres.; loss \$50,000.

Tex., Fort Worth—Lake Worth Casino Park, including dance hall, bathhouse, etc.

Tex., Los Indios—H. H. Buck's store; loss \$15,000.

Tex., Shallowater—Shaver Bros.' gin; loss \$40,000.

Va., Danville—Danville Industrial High School.

W. Va., Winfield—Post Office, address The Postmaster, Bank of Winfield, Brown Hotel (unoccupied), Putman Democrat Bldg., and residence of Herman H. Barrows, Editor, Putman Leader; loss \$50,000.

## BUILDING NEWS

### BUILDINGS PROPOSED

#### Association and Fraternal

Ark., Gravette—Ancient Free and Accepted Masons consider erecting temple, Second and Main Sts.; brick, 2 stories.

Okla., Oklahoma City—Young Women's Christian Assn., Mrs. Agnes K. Schaefer, Pres., 420 E. Tenth St., purchased site, 316-22 W. First St.; inaugurate campaign early part 1930 for \$400,000 for bldg.; 6 stories and double basement, 125x120 ft., probably residence quarters on roof.

Tex., Dallas—Young Men's Christian Assn., W. A. Scott, Sec., opens bids July 10 for Moorland Branch, Flora and Bell Sts.; \$130,000, stone, terra cotta, hollow tile and rein. conc., 4 stories and part basement, about 90x100 ft., cement, terrazzo and linoleum floors, steel windows, tile roof; separate bids same date for plumbing, heating, wiring, elevator and kitchen equipment. 6-20

W. Va., Huntington—Young Men's Christian Assn., W. H. Newcomb, Chmn., Bldg. Comm., care Anderson & Newcomb Co., 1057

Sixth Ave., selected Meador & Handloser, 1139 Fourth Ave., as architects for \$140,000 physical dept. unit of \$500,000 bldg.; brick, 4 stories, about 400,000 cu. ft., 2 gymnasiums, 87x63 ft. and 60x30 ft., 60x20-ft. swimming pool, locker rooms, showers, 3 four-walled handball courts, kitchen, class and club rooms; furnishings, equipment, etc., \$20,000. 6-13

#### Bank and Office

Ark., Newark—First National Bank considers rebuilding burned structure; brick.

La., Shreveport—Clarence W. King, Archt., Giddens Lane Bldg., drawing plans for \$100,000 bank bldg., Milam and Market Sts.; 150-ft. frontage.

La., Shreveport—Drs. A. Schnlitt and H. L. Lasker, 617 Kingshighway, have permit to complete brick and conc. bldg., 521-27 Crockett St.; \$25,000.

La., Shreveport—First National Bank, Walter B. Jacobs, Cashier, remodel section of bldg. for additional quarters; safety deposit vaults; \$100,000.

Mo., St. Louis—R. K. Knox, Archt., 1373 Arcade Bldg., drawing plans for bank bldg. remodeling; \$12,000; stone or terra cotta front, terrazzo floors, vault.

Tex., Groveton—First National Bank re-finish bldg. and install new fixtures; Louis P. Josseland, Archt., First Natl. Bk. Bldg., Houston.

Tex., San Antonio—Ralph H. Cameron, Archt., City Natl. Bk. Bldg., interested in erection of bldg., Houston St. near Medical Arts Bldg.

### Churches

Ala., Anniston—Parker Memorial Baptist Church, Walker Reynolds, Chmn. Bldg. Comm., receives bids July 11 for Sunday school addition; about \$50,000, 2 stories and basement, 121x80 ft., brick, conc. footings, wood and conc. floors, steam heat; Lockwood & Poundstone, Archts., Edw. F. Billie, Asso. Archt., both 101 Marietta Bldg., Atlanta, Ga.; following contractors estimating: Palmer Co., Thrower Bldg.; T. C. Wesley, Red Rock Bldg.; Yost Construction Co., Candler Bldg., all Atlanta; Chas. F. Duke Construction Co., Oglethorpe Construction Co., both Anniston; Grahn Construction Co.; Smith & Williams Co., both Red Rock Bldg., Atlanta. 5-2

Ala., Florence—Trinity Church Bldg. Comm., Richard Smith, Chmn., receives bids until June 29 for parish house, Tuscaloosa St.; Paul W. Hofferbert, Archt.

Ga., Savannah—Baptist Church, Rev. A. E. Daniel, Pastor, plans building.

Ga., Thomson—Methodist Church, Rev. T. H. Williams, Chmn., Finance Comm., plans annex.

Ky., Paducah—Broadway Methodist Church, Rev. T. W. Lewis, Pastor, rebuild interior of church damaged by fire at \$100,000 loss; straighten outside walls and erect 3-story Sunday school. 6-13

La., Picayune—St. Pauls Mission recently organized; soon start work on church.

Mo., Cape Girardeau—Christ Evangelical Church plans \$40,000 bldg., Ellis and Merriweather Sts.; brick, 60x90 ft., auditorium seat 280, 2-story Sunday school.

Mo., Fayette—Central College Bd. of Trustees, Bishop W. F. McMurry, Pres., plans church.

Okla., Bartlesville—Virginia Ave. Baptist Church, Rev. W. V. Buckner, Pastor, erect stucco bldg., site present structure, Third St. and Virginia Ave.; work probably start in July.

Okla., Tecumseh—Broadway Methodist Church erect semi-fireproof bldg.; \$30,000, brick, conc., wood joists, 36x90 ft.; A. C. Davis & Sons, Archts., Shawnee.

Tenn., Knoxville—Temple Beth El, Milton Greenwald, Rabbi, has gift from M. B. Arnstein for community center building.

Tenn., Sevierville—Eusebia Presbyterian Church near Sevierville, Judge S. O. Houston, Knoxville, member, fund committee, raising funds for building.

Tex., Houston—First Christian Church, Main and Bell Sts., open bids in 30 days for rein. conc. bldg.; \$275,000, 75x125 ft., 4 stories, conc. foundation, comp. roof; furnishings, equipment, etc., \$40,000; Jas. Ruskin Bailey, Archt., Public Natl. Bk. Bldg.; H. M. Sanford, Engr., Esperson Bldg., See Want Section—Building Material and Equipment. 6-20

Tex., San Saba—Church of Christ erect \$15,000 bldg.; architect not selected; brick veneer and hollow tile, 1 story and basement, 50x66 ft., metal shingle hip roof, conc. foundation. 6-20

Tex., Marshall—North Marshall Baptist Church, W. M. Jenkins, member, Bldg. Comm., plans Sunday school.

### City and County

Ark., Forrest City—City votes Aug. 14 on city hall bonds; probably \$45,000; structure brick and conc., 2 stories, conc. and pine floors, comp. roof; auditorium seat 600; fire dept. quarters.

Ark., Little Rock—City, Pat L. Robinson, Mayor, plans bond election, including about \$300,000 for fire equipment, and possibly \$1,300,000 for civic center and municipal auditorium. 6-6

Ark., Little Rock—Pulaski County, W. F. Sibbeck, County Judge, votes July 8 on \$175,000 jail bonds.

Ark., Morrilton—Conway County, T. J. Moore, County Judge, receives bids until July 12 for courthouse; drawings on file at

office County Clerk; \$117,000; Frank W. Gibb & Co., Archts., Gazette Bldg., Little Rock. 5-23

Fla., Jacksonville—City Comsn., M. B. Herlong, Chmn., having plans drawn by Bernard W. Close, Archt., Bisbee Bldg., for \$25,000 library; brick, 1 story, 220x150 ft., steel truss roof.

Fla., Miami Beach—City having plans drawn by Russell T. Pancoast, Archt., 1139 Lincoln Rd., for \$30,000, fireproof fire station, 53rd St. and Alton Rd.

La., New Orleans—Nachary Builders Supply Co., 802 Perdido St., has contract at about \$25,000 for acoustical treatment in \$2,000,000 municipal auditorium under construction; Favrot & Livaudais, Ltd., Archts., Hibernia Bldg.; Caldwell Bros. & Bond Bros., Contrs., 816 Howard Ave. 6-6

La., Robson—Following contractors estimating on bldgs., Caddo Parish Agricultural Experiment Station, bids July 1: J. M. Brown, Ricou-Brewster Bldg.; H. Cleveland, Giddens-Lane Bldg.; McMichael Construction Co., City Bank Bldg.; Welch & McLain, 2800 W. College St.; Joe Mandina, 879 Unadilla Hodges, 2800 W. College St., all Shreveport; Ct.; H. G. Hodges, 238 Prospect Ave.; C. A. Swindell & Purcell, Plain Dealing; Edw. F. Neild, Archt., City Natl. Bk. Bldg., Shreveport. 6-13

Miss., Meridian—Lauderdale County Bd. of Suprvs. receives bids July 2 to repair courthouse; heating plant, plumbing, \$10,000; P. J. Krouse, Archt., M. & W. Bldg., Meridian. 6-20

Miss., Pelahatchie—City, J. I. Atkins, Town Clk., voted \$10,000 city hall and jail bonds; brick, 2 stories, 50x70 ft.; Hill & Mulvaney, Archts., Merchants Bk. & Tr. Bldg., Jackson.

Miss., Summit—Board of Selectmen having plans drawn by J. Howard Ryan, Archt., for \$10,000 city hall; also for \$5000 school for negroes.

Okla., Maud—City, Floyd Fowler, Clk., plans \$25,000 city hall; V. V. Long & Co., Archts., Oklahoma City.

Okla., Oklahoma City—City Council has low bid at \$11,000 from Wm. Neubauer, 421 W. California St., for fire station, 21st St. and Eastern Ave.

Okla., Tulsa—Park Board erect \$45,000 museum bldg.; brick, rein. conc. and terra cotta, 1 story and basement; Leland Shumway, Archt., Alexander Bldg.; plans complete.

S. C., Laurens—City Council erect \$30,000 city hall; \$30,000 bonds voted; W. R. Ward, Archt., Walker Bldg., Greenville.

Tex., Columbus—City votes July 6 on \$25,000 city hall bonds. Address City Council.

Tex., Paducah—Cottle County Commrs. Court, J. M. Whately, Judge, bids about Sept. 1 for \$150,000 courthouse; rein. conc. and stone, 4 stories, 85x120 ft., tile, terrazzo and cement floors, rein. conc. foundation, tar and gravel roof; furnishings, equipment, etc., \$30,000; Voelckner & Dixon, Archts., Wichita Falls. See Want Section—Building Material and Equipment. 6-13

Tex., San Antonio—City, C. M. Chambers, Mayor, erect brick, conc., hollow tile and cast stone branch library, Prospect Hill, after plans by Marvin Eickenroht & Bartlett Cocke, Archts., Maverick Bldg. 6-6

W. Va., Clarksburg—Harrison County, Maurice L. Loudin, Clk., County Court, plans courthouse; may start work about July 1, 1930; no plans made, architect not selected. 8-23

### Dwellings

Ala., Birmingham—Basil Manly, 3900 S. Tenth Ave., erect \$14,000 brick veneer residence, Overlook Rd.; 2 stories, 34x38 ft., comp. roof, steam heat; Woolard & Lynch, Contrs., 2115 N. First Ave.

Ala., Birmingham—P. P. Burns, 8016 First Ave., South, opens bids Aug. 1 for \$10,000 brick veneer residence, Roebuck Springs; 2 stories, 45x50 ft., hardwood floors, plaster board, steel sash and trim, brick and conc. foundation, asbestos shingle and tile roof, elect. refrigerator, incinerator; Robert G. Chapman, Archt., Bankers Bond Bldg.

Ark., Forrest City—H. R. Clark erect brick veneer residence; 1 story and basement, 48x50 ft., tile bath, comp. roof, hot air heat; Estes W. Mann, Archt., Cotton Exch. Bldg., Memphis, Tenn.; drawing plans.

D. C., Washington—T. A. Jameson, 906 New York Ave., N. W., has permit for 20 dwellings, 1601-59 D St., N. E.; brick, 2 stories; \$110,000.

D. C., Washington—Cooley Bros., Vermont Bldg., have permit for 3 dwellings, 5421-25 Fifth St., N. W.; brick, 2 stories; \$15,000.

D. C., Washington—Poretzky & Silver have permit for 5 brick dwellings, 1000-16 Ninth St., N. W.; 2 stories; \$30,000.

D. C., Washington—E. M. Willis, Jr., 927 15th St., N. W., erect 2 brick dwellings and garages, 5337-41 Broad Branch Rd.; N. W.; 2 stories; \$15,000.

Fla., Coral Gables, Miami—Chas. M. Moon, Ingraham Bldg., enlarge residence, 2200 Se-govia Circle; \$14,500.

Fla., Miami Beach—Fred D. Breit, care Russell T. Pancoast, Archt., 1139 Lincoln Rd., erect 8 cottages, 41st St. near Collins Ave.; lately noted to erect 4; about \$60,000; plans ready in 2 or 3 weeks; bidders by invitation. 6-13

Fla., Palm Beach—Alfred E. Schmidt has low bid at \$55,470 from C. G. Warner Co., Inc., 710 Upland Rd., for residence; Treanor & Fatio, Archts., Phipps Plaza.

Fla., Coral Gables, Miami—Dr. W. H. Sanborn, 103 N. E. Second St., erect \$10,000 residence, 1713 Cortez St.; cement block, 2 stories.

Ga., Atlanta—M. A. Ferst, 850 Oakdale Rd., N. E., erect brick residence; 2 stories and basement, stone trim, comp. and slate roof, steam heat; Hentz, Adler & Shutze, Archts., Candler Bldg.

Ga., Saint Simons Island—Following, reported, having plans drawn for residences, Sea Island Beach; Chas. Pettigrew, Parkersburg, W. Va.; Mrs. Geo. S. Green, Dayton, O.; Edw. E. Dole, Louis H. May, both New York City; R. V. DeWitt Walsh, Albany, N. Y.; A. C. Wyatt, Lake Lure, N. C.; R. M. C. Glen, Montclair, N. J.; Miss A. Florence Curtis, Plainfield, N. J.

Ky., Louisville—F. J. Delenle, 147 N. Clay St., erect \$10,000 residence, 2325 Rutherford Lane; stone and stucco.

Ky., Louisville—Louis N. Schuster, 2020 Kenilworth Ave., erect \$10,000 brick veneer residence; frame garage.

La., New Orleans—F. G. McFarlane, 1687 Robert St., plans residence, Fauberg deMont-luzin.

La., New Orleans—Solis Seifert erect \$22,000 Colonial residence, Metyr Club Gardens; frame, 2 stories; Weiss, Dreyfous & Seifert, Archts., Maison Blanche Bldg.

Md., Baltimore—Albert D. Alban, Holder Ave., erect 5 frame dwellings and garages, 3500 block Alban Ave.; \$18,000.

Md., Baltimore—Plaza Construction Co., Munsey Bldg., erect 13 brick dwellings, 3100 block Brendon Ave.; 2 stories; \$45,500.

Md., Baltimore—Jerry C. Dvorak, 4244 Eierman Ave., erect 9 brick dwellings, 4400 block Kaxon Ave.; 2 stories; \$25,000.

Md., Baltimore—Ten Hills Corp., Chapel Gate Lane and Edmondson Ave., erect 2 dwellings and garages, 5008-10 Edmondson Ave.; 2½ stories; \$15,000.

Md., Baltimore—Wm. H. Bishop, Jr., 207 W. Fayette St., Baltimore, purchased Rock Bar Point Farm, Magothy River; erect 2 or 3 dwellings.

Miss., Belzoni—J. W. McClintock may re-build burned residence; \$10,000.

Mo., Kansas City—Fisher Building & Investment Co., Commerce Bldg., erect 6 dwellings, 5300 block Olive St.; \$12,000.

Mo., Kansas City—Ernest C. Winters, Midland Bldg., erect residence, Mission Drive, Mission Hills; Italian type, 130x135 ft., 20-ft. end porch, Edw. W. Tanner, Archt., completing plans; Hare & Hare, Landscape Archts., Huntzinger Bldg.

Mo., St. Louis—Harry F. Knight, care Knight, Dysart & Gamble, 401 Olive St., erect \$100,000 brick residence, New Country Club grounds; 2½ stories and basement, 153.8x27.7x33.6 ft.; S. Merrell Clement, Archt., 101 Park Ave., New York; bids in.

Mo., St. Louis—C. Johnson, care Marcel Boulicault, Archt., Ambassador Bldg., St. Louis, erect brick and stucco residence, University Hills; 2 stories and basement, 49x59.6 ft., hardwood floors, tile bath, slate roof, cut stone.

N. C., Greensboro—Frank R. Hutton, 116 E. Washington St., erect \$10,000 residence, Rolling Rd. near E. Greenway; brick veneer, 2 stories and basement, 43x32 ft., hardwood floors, steam heat; J. R. Truitt, Contr., 1204 Randolph Ave.

Okla., Oklahoma City—E. K. Gaylord, care Oklahoma Publishing Co., 500 N. Broadway, considers erecting \$50,000 residence; brick and stone, 2 stories and basement; A. L. Christenberry, Archt., 1811 E. 25th St.

Okla., Oklahoma City—Ethel Rollins erect \$10,000 brick duplex, 2701 W. 12th St.

Okla., Oklahoma City—W. C. Young, Continental Bldg., erect 2 brick dwellings, 2347-53 W. 11th St.; \$10,000.



Okla., Tulsa—H. R. Moffet, Kennedy Bldg., erect \$11,000 residence, 2420 Terwilliger Blvd.

S. C., Columbia—John G. Ehrlich, 1019 Marion St., erect \$19,000 residence, 300 block S. Harden St.; brick veneer, 10 rooms.

S. C., Columbia—Mrs. M. Kelley erect \$10,000 residence, 2610 Lee St.; brick veneer, 2 stories, 12 rooms.

Tenn., Knoxville—Sequoiah Hills Building Co., 631 S. Gay St., has permit for 6 dwellings, Cherokee Blvd.; \$87,000.

Tenn., Memphis—Emmett Harrison, 2405 Forrest Ave., erect 4 duplexes; wide siding, 1 story, hardwood floors, tile baths, comp. roof, steam heat; R. L. Sieg, Archt., First Natl. Bk. Bldg.

Tenn., Memphis—C. M. Jacobson, First Natl. Bk. Bldg., erect 6 dwellings, and garages, Shady Lane; 5 and 6 rooms; \$25,000.

Tenn., Nashville—W. C. Weaver, Murfreesboro Rd., erect brick and stone residence after plans by C. K. Colley, Archt., Fourth & First Bldg.; 2 stories and basement, 32x70 ft.; bids in. 4-11

Tex., Brackettville—Albert Balantyne erect Spanish type residence; brick and tile, 1 story, patio; Henry T. Phelps, Archt., Hicks Bldg., San Antonio.

Tex., El Paso—Herbert W. Gehring & Co., Caples Bldg., erect 5 dwellings, 3300 block Idalia St.; 5 rooms; \$15,000.

Tex., Fort Worth—Bundock Building Co. erect \$16,000 brick veneer dwelling, 1400 Washington Terrace.

Tex., Houston—A. H. Schubert, 604 Woodland St., erect \$10,000 residence, 2532 Binz St.; brick veneer, 9 rooms.

Tex., Houston—Ben H. Dobson erect Colonial residence; frame, 2 stories; Curtis & Thomas, Archts., Post-Dispatch Bldg., Houston, and Construction Industries Bldg., Dallas.

Tex., Houston—J. W. Leary erect 15 frame dwellings and garages, 8319 Magnolia St.; Harrisburg addition; 4 rooms; \$22,500.

Tex., Houston—J. M. Frost, Jr., Mason Bldg., erect \$22,000 residence, 1623 North Boulevard; brick veneer, 2 stories.

Tex., Houston—Los Angeles Construction Co., 1516 Milam St., erect 2 brick veneer dwellings, 2113-25 Dunston St.; 7 rooms; \$12,000.

Tex., Lockhart—Paul Ahrens and Aubrey Dubois each erect residence; work start at once; Mr. McClannahan erect residence.

Tex., Rio Hondo—Walton B. Hood erect \$18,000 residence near Rio Hondo.

Tex., San Angelo—Cecil Taylor erect \$12,500 residence, Avenue G.

Tex., San Antonio—Dupre Dance, 627 W. Woodlawn St., erect frame and stucco residence, Huisache St. near Belknap St.; 1 story, 9 rooms; Ralph H. Cameron, Archt., Majestic Theatre Bldg.

### Government and State

Ga., Fort Benning—Constructing Quartermaster, Lieut. W. M. Allison, receives revised bids June 28 for additions to Ward C and connecting corridors and for nurses' quarters, Fort Benning; former 3 stories and basement, 139x42 ft.; latter 2 stories and basement, 165x43 ft.; rein. conc., brick, hollow tile, struct. steel, cast stone trim, tile and comp. roof, marble toilet partitions. 6-20

Mo., Kansas City—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., reported, purchased Broadway, Wyandotte St., rershing R. and 25th St., for terminal post office. 3-29

Tex., Galveston—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., receives bids July 18 at office Robt. W. Humphreys, Custodian, Galveston, for gen. interior repairs, post office and custom house.

Va., Richmond—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., opens supplemental bids July 2 to remodel and enlarge post office.

### Hospitals, Sanitariums, Etc.

D. C., Washington—Department of Interior, Jos. M. Dixon, First Asst. Sec., has low bid at \$694,000 from Virginia Engineering Co., Inc., 322 28th St., Newport News, Va., for medical and surgical bldg., St. Elizabeths Hospital, Anacostia; low bid for elevators, Marsh Elevator Co., President & Aliceanna Sts., Baltimore, at \$11,440; plans by U. S. Veterans Bureau, Arlington Bldg. 6-13

Fla., Howey In The Hills—Howey In The Hills Sanitarium, W. J. Howey, Pres., leased by Dr. E. C. Taylor, erect \$100,000 bldg.; stucco and hollow tile, 2 and 3 stories, tile

roof, elevator, hospital and kitchen equipment; Maurice E. Kressley, Archt., Smith Bldg., Orlando.

Fla., Lake Wales—Lake Wales Hospital Assn. rejected bids for hospital; soon call for bids on revised plans; \$60,000, stone tile, 1 story, 230x109 ft., conc. foundation, conc. floors, tile roof, vapor steam heat; F. J. Kennard & Son, Archts., 303 Zack St., Tampa; A. D. Taylor Offices, Landscape Archts., 4614 Prospect Ave., Cleveland, O., and Woolworth Bldg., Orlando, Fla. 6-13

Ga., Savannah—Charity Hospital has \$50,000 gift from Julius Rosenwald Fund, Chicago, Ill., toward building fund.

La., New Orleans—Charity Hospital has low bid at \$53,299 from Sciambra & Masino, Inc., 636 N. Broad St., for piping and equipment, with 2 high pressure boilers and breeching; Frank H. Chishols, Engr., 622 S. Peters St.

La., New Orleans—Hospital Bd. of Methodist Episcopal Church, South, authorized constr. of \$1,000,000 hospital; Rev. R. H. Harper, Presiding Elder, in charge.

La., New Orleans—Orleans Anti-Tuberculosis League erect \$200,000 hospital, Derby Tract; plans by Frank D. Costley, Supvg. City Archt.

La., New Orleans—Louisiana Tuberculosis Comsn., Dr. Jos. O'Hara, Pres., Maison Blanche Bldg., plans \$10,000 unit, State Sanatorium, Greenwell Springs.

N. C., Greensboro—L. Richardson Memorial Hospital has \$15,000 gift from Julius Rosenwald Fund, Chicago, Ill., for nurses' home.

N. C., Raleigh—St. Agnes Hospital has \$15,000 gift from Julius Rosenwald Fund, Chicago, Ill., for nurses' home.

Okla., Seminole—Harbor Hospital, Dr. J. N. Harbor, enlarge hospital.

Tenn., Memphis—Bank of Commerce & Trust Co. will appoint board of trustees to administer funds willed by Mrs. Theresa Gaston Mann for hospital purposes; probably erect hospital or addition to some existing hospital.

Tex., Franklin—Robertson County, Joe Y. McNutt, County Judge, votes July 16 on \$90,000 hospital bonds. 3-14

Tex., Galveston—Sealy & Smith Foundation opens bids June 27 at office Fred W. Catterall, Sec. First Natl. Bk. Bldg., for outpatient bldg., John Sealy Hospital; brick, hollow tile, rein. conc., cast stone, 5 stories and part basement, L shape, about 204x72 ft., metal lath and plaster, cement tile, granite, stone, stucco, hollow metal doors, 3 elevators, marble weatherstripping, cement tile terrazzo, linoleum and rubber tile floors; pathological laboratories, amphitheater; \$400,000; R. L. White, Archt., care Univ. of Texas, Austin. 5-2

Tex., Pecos—Dr. Jim Camp erect \$25,000 hospital; Trost & Trost, Archts., Two Republics Bldg., El Paso.

W. Va., Eckman—W. B. Stevens erect \$125,000 hospital; fireproof, brick, conc. floors, bar joist, 4 stories, 40x135 ft., terrazzo and linoleum floors, conc. foundation, Barrett 20-yr. roof. Address proposals on furnishings equipment, etc., \$20,000, to Owner; other proposals to Hassel T. Hicks, Archt., Welch, open bids about July 20. See Want Section—Building Material and Equipment.

### Hotels and Apartments

Ala., Anniston—Calhoun Hotel Co., W. F. Ackler, ready for bids in about 3 weeks for first unit of 111 rooms of \$1,000,000, 10-story, 400-room hotel; Warren, Knight & Davis, Archts., Protective Life Bldg., Birmingham. 4-11

Ala., Tuscaloosa—Dr. Alton Fitts, reported, has low bid from J. F. Holley Construction Co., 730 19th St., Ensley, for \$300,000, 8-story and basement, 82x110-ft., brick, rein. conc. and stone, 100-room hotel; Chas. H. McCauley, Archt., Jackson Bldg., Birmingham. 3-28

Fla., Miami Beach—Hotel Nemo, First St. and Collins Ave., having plans prepared by Russell T. Pancost, 1139 Lincoln Road, for 3-story, 54-room addition and improvements to hotel.

Kv., Mayfield—The Hall Hotel Co., Claude T. Winslow, Pres., plans to start work July 15 to Aug. 15 on \$250,000, 6-story hotel; contract not let; R. H. Hunt Co., Archt., James Bldg., Chattanooga, Tenn. 2-28

La., De Ridder—H. T. McLain, Weber Bldg., Lake Charles, and Howard McDaniel, 590 Roberts St., Beaumont, Tex., reported, planning erecting hotel; F. W. Stinman, Archt., San Jacinto Life Bldg., Beaumont.

N. C., New Bern—Underwood & Co., H. A. Underwood, reported, planning erection, 10-story, 162-room hotel on Union Point.

Okla., McAlester—Aldridge Hotel Co., We-woka and Ada, reported, negotiating for site for \$500,000, 10-story hotel.

Okla., Tulsa—Grace Burkholder has permit for \$18,000 apartment, 1328 S. Quincy Ave.

Tex., Fabens—Home Building & Finance Corp., El Paso, soon start work on \$100,000 bungalow court; 25 apartments.

Tex., Falfurrias—H. A. Moore having plans prepared by Stanley W. Bliss, Harlingen, for 5-story fireproof hotel, Rice and St. Mary's St.

Tex., Georgetown—Georgetown Hotel Co., care P. G. Silber Co., Archts., Bedell Bldg., San Antonio, erect \$135,000, 4-story, brick and conc. hotel.

Tex., Hearne—J. G. Philen, Pres., Chamber of Commerce, conferred with H. K. Sinclair, Houston, regarding erection hotel.

Tex., Houston—L. V. Harbuck, 6711 Ave. J., has permit for \$15,000, 2-story, brick veneer, 8-apartment, 6912 Navigation Blvd.

Tex., Marlin—Hilton Hotel Co., C. N. Hilton, Pres., Dallas, considering erecting \$375,000, 8-story, brick, 110-room hotel; \$50,000 to be raised by Chamber of Commerce.

Tex., Menard—Harden Green erect 4-story, 30x100 ft., rein. conc., fireproof, 17-room hotel addition; A. B. Withers, Archt., Mineral Wells; bids in. See Want Section—Building Material and Equipment. 6-20

Va., Lynchburg—Dr. C. R. Butler, Prop., College Pharmacy, plans apartment, N. Princeton Circle and Rivermont Ave.

Va., Martinsville—S. S. Stephens and R. S. Brown, reported, considering erecting 4-story, 50x130 ft., store and apartment, Broad and Church Sts.

### Miscellaneous

Fla., Miami Beach—G. R. K. Carter, Miami Beach Kennel Club, plans receiving bids in about 30 days on additional 600-ft. pier; plans nearing completion on theater to seat 1300 people, promenade deck, band stand, 35 concession stands; also having plans drawn for ball room for 3000 people, restaurant to seat 1000 people and will be erected after completion theater; The Ebsary Foundation Co., 827 N. W. Second St., Miami, completing decking and pilings on present structure; Wm. F. Brown, Archt., Bastian Bldg., Miami Beach. 12-20

Tex., Fort Worth—Lake Worth Amusement Co., Bellefontaine, Ohio, George Smith, Local Mgr., rebuild Lake Worth Casino destroyed by fire at estimated loss of \$600,000.

Tex., Gainesville—Federated Women's Club of Gainesville, Mrs. J. T. Morrow, Pres., and Little Theatre, Dr. C. R. Johnson, Pres., plan community building.

### Schools

Ala., Auburn—Alabama Polytechnic Institute, Dr. Bradford Knapp, Pres., will let contract in July for \$125,000 animal husbandry and dairy building and \$15,000 dairy barn; having plans prepared for \$250,000 Victor-Hanson Auditorium; 134x216 ft., brick and stone, slate roof on gypsum and steel trusses, seating capacity 2500; \$110,000 textile engineering building; additional shop buildings, \$30,000; \$250,000 administration building; \$100,000 woman's dormitory; all fireproof; \$224,000 Ross Chemical Laboratory under construction by Frost Construction Co., 607 Marion St., Tampa; Warren, Knight & Davis Archts., Protective Life Bldg., Birmingham. 5-23 and 5-2

Ala., Birmingham—Bd. of Education, Dr. C. B. Glenn, Supt., approved preliminary plans for replacing North Birmingham School, partly destroyed by fire several months ago; 12 classrooms and auditorium-playroom; also erect 2-classroom and combination lunchroom and auditorium addition to Gorgas School at East Thomas.

Ala., Camp Hill—School Bd. started work on \$30,000, 1-story, brick and conc., 3-classroom and auditorium high school.

Ala., Huntsville—State Bd. of Education, Dr. R. E. Tidwell, Supt., Montgomery, soon call for bids for dining hall, class and administration building and dormitory at State Normal School; brick, stone and rein. conc.

Ark., Conway—Hendrix College Bd. of Trustees plans \$300,000 2-year building program to include science building, woman's building and chapel. 3-28

Fla., Belle Isle—Rudolph Weaver, Archt., Peabody Hall, Gainesville, advises erection experimental station at State University School of Agriculture held up indefinitely. 6-13

Fla., South Bay—Palm Beach County Bd. of Public Instruction, J. A. Youngblood, Supt., erect \$20,000 school; Wm. Manley

King, Archt., Harvey Bldg., both West Palm Beach.

La., Franklinton—Franklinton High School Dist. votes July 23 on \$125,000 bonds for 2-story brick high school and improvements to present buildings; Herman J. Duncan, Archt., 120 Murray St., Alexandria. 5-30

La., Lafayette—Following contractors estimating on alterations and additions to 2-story brick school at Broussard, gymnasium at Lafayette Central High School, gymnasium-agricultural building and home economics cottage at Youngsville, auditorium building and home economics cottage at Scott, bids July 5 by Lafayette Parish School Bd., L. Leo Judice, Pres.; General—Tudor & Ratcliff, Alexandria; W. J. Quick, Pere Marquette Bldg., New Orleans; E. E. Rabalais & Son, Bunkie; P. Olivier & Son, 114 Bilbo St., Lake Charles; L. W. Eaton, 1601 N. Boulevard, Baton Rouge; J. B. Moulton, Lafayette; G. L. Whitaker & Son, Covington; Wm. T. Nolan, Archt., Canal Bk. Bldg., New Orleans. 6-20

Mla., Miami—Dade County Bd. of Public Instruction rejected bids for \$80,000, 2-story, 160x90-ft., steel, brick and rein. conc., fireproof school, Miami Shores; have plans revised and call for new bids; Weed & Virvick, Archts., 328 N. E. Second Ave. 6-13

Ga., Clarksville—Clarksville School Dist. votes July 2 on \$24,000 bonds.

Ga., Cohutta—Bd. of School Trustees, P. O. Parker, Sec., receives bids July 10 for \$16,000, 1-story, 111x130 ft., brick, 8-classroom and auditorium high and grammar school; comp. roof, pine floors; Daniell & Beutell, Archts., Healey Bldg., Atlanta. 6-13

Ga., Rome—American Chatillon Corp., 393 Seventh Ave., New York, and Rome, soon let contract for \$50,000, 1-story and basement, brick school in mill village; comp. roof, conc. and wood floors; Lockwood Greene Engineers, Inc., Engrs., 100 E. 42nd St., New York, and Charlotte, N. C.

Ga., Ty Ty—Ty Ty School Dist., Jack Gibbs, Chmn., receives bids about July 1 for 1-story and basement, 85x50 ft., brick, 8-classroom and auditorium school; comp. shingle roof, pine floors; Greer & Biggers, Archts., Valdosta, and Third Natl. Bk. Bldg., Jacksonville.

Ky., Louisville—City considering \$5,000,000 bond election Nov. 5; plans \$900,000 boys' high school, junior high school in Crescent Hill. 6-20

Ky., Salt Lick—School Bd., E. R. Fannin, Chmn., receives bids June 28 for erection school building.

La., Florian—Sabine Parish School Bd., G. C. Reeves, Sec. Treas., Many, receives bids July 11 for \$65,000, 2-story, rein. conc., brick and stone trim, 20-classroom school; built-up comp. roof; J. W. Smith & Associates, Archts., Ouachita Natl. Bk. Bldg., Monroe. 6-20

La., New Orleans—Orleans Parish School Bd. ready for bids in about 30 days for 3-story, rein. conc., brick, stucco, fireproof Martin Behrman School, Algiers; 40 classrooms to accommodate 1400 pupils; auditorium, gymnasium, indoor gymnasium, cafeteria, domestic arts and manual training departments, built-up and tile comp. roof, tower 100 ft. high, with clock; E. A. Christy, Supvg. Archt. 3-14

La., Wisner—School Bd., E. A. Pennavaker, Chmn., receives bids July 23 for 1-story, brick, 16-classroom, auditorium and gymnasium high school; built-up comp. roof; plans from John W. Baker, Archt., Winnsboro.

Miss., Bay St. Louis—St. Stanislaus College selected A. S. Montz, 740 Poydras St., New Orleans, to prepare plans for \$75,000, 2-story brick chapel, refectory and study hall; convert present chapel into dormitory.

Miss., Belzoni—Belzoni Consolidated School Dist. Trustees having plans prepared by Shaw & Woleben, Gulfport, and call for bids in about 30 days for \$65,000, 1-story brick and stone trim, 10-classroom and auditorium school. 6-20

Miss., Biloxi—Bd. of Trustees, North Biloxi Consolidated School, John C. Hengen, Sec., erect additions to school; Carl E. Matthes, Archt.; bids in June 24.

Miss., Drew—Bd. of School Trustees receives bids July 8 (extended date) for \$19,000, 1-story, rein. conc. and brick, 6-classroom and auditorium school; built-up roof; J. M. Spain, Archt., Millsaps Bldg., Jackson. 6-13

Miss., Hathorn—Hathorn Consolidated School Dist. Bd. of Trustees receives bids July 12 for 1-story, brick, 4-classroom school.

Miss., Long Beach—Long Beach School Dist. Trustees erect addition to school for white pupils and new structure for colored pupils; issue \$14,000 bonds.

Miss., Raymond—Hinds County Agricultural High School and Junior College Trustees, H. V. Watkins, Pres., receives bids July 11 for 2 teachers' residences; plans from J. M. Spain, Archt., Millsaps Bldg., Jackson.

Miss., Sallis—Sallis Consolidated School Dist. Trustees, D. A. Robertson, Chmn., receives bids July 5 for \$20,000, 1-story brick school; F. A. Livingston, Archt., Louisville. 6-6

Miss., Shiloh—Shiloh Consolidated School Dist. Trustees, N. E. Coggin, receive bids July 1 for erection school.

Miss., Starkville—State Building Comn., W. C. Trotter, Sec., State Capitol Bldg., Jackson, receives bids July 11 for mule barn, implement shed, canning house and milk house at Agricultural and Mechanical College; C. H. Lindsley, Archt., Lamar Life Bldg., Jackson.

Miss., Waveland—Town Council receives bids July 2 for \$12,000, 1-story, brick, 4-classroom school; plans from E. E. Norwood, Archt., Gulfport.

Mo., Cape Girardeau—Bd. of Regents, State Teachers College plans College Athletic Stadium in Houck Field; first unit to cost \$40,000.

Mo., Fulton—Bd. of Education plans purchasing Synodical College and improving for high school, converting present high school into grade school, erecting high school gymnasium at West School, converting East Public School into gymnasium, repairing North School and installing heating system; election July 2 on \$100,000 bonds.

Mo., Hollister—School of Ozarks erect dining hall and kitchen; \$15,000.

Mo., St. Louis—Bd. of Education, R. M. Milligan, Commr., has low bid at \$221,900 from Dunham Construction Co., Chemical Bldg., for 2-story and basement, brick and rein. conc., 13-classroom Columbia School; plumbing, \$15,819, Wm. Hunt & Son, 1127 S. Grand St.; heating and ventilating, \$3,987, Edw. P. Ambler, 2822 LaSalle St.; electric wiring, \$14,100, Chapline Electric Co., 1509 Chestnut St. 5-30

Okla., Catoosa—School Bd. having plans prepared by A. J. Love, Atco Bldg., Tulsa, for \$35,000, 1-story, brick and stone school; asphalt roof, wood floors.

Okla., Carpon—School Bd. erect \$20,000 building.

Okla., Tulsa—Following sub-contracts awarded on Library for University of Tulsa for which W. S. Bellows Co., Herskowitz Bldg., Oklahoma City, has general contract at \$219,879, basement excavated; Cut stone, Matthews Brothers Co., Bloomington, Ind.; steel, Patterson Steel Co., 801 N. Xanthus St., Tulsa; heating, Forner Plumbing & Heating Co., Ritz Bldg., Tulsa; Henry C. Hibbs, Archt., American Trust Bldg., Nashville, Tenn. 4-25

Okla., Waynoka—School Bd. erect \$26,000 grade school.

S. C., Chesnee—Spartanburg County, E. L. Gossett Treas., plans issuing \$24,000 bonds for school at Chesnee in Dist. No. 94.

S. C., Clover—Bd. of School Trustees, Dist. No. 37, plans to call for bids early in July for \$75,000, 2-story and basement, brick, stone trim, 12-classroom and auditorium high school; Hugh E. White, Archt., 207 W. Fourth Ave., Gastonia, N. C. 3-28

S. C., Columbia—City voted \$500,000 bonds for 9-classroom, gymnasium and manual training shop at senior high school; junior high school on Wheat St. in Shandon; graded school in Rose Hill; auditorium for Logan school; school in Granby Mill section; additional classrooms at Booker Washington, Howard and Waverley schools; J. B. Urquhart, Archt., Palmetto Bldg. 6-13

S. C., Lexington—Bd. of School Trustees, H. N. Kaminler, Chmn., receives bids July 2 for brick, struc. steel, stone trim 13-classroom school addition and gymnasium building; \$75,000; tar and gravel roof; Wilson & Tatum, Archts., Arcade Bldg., Columbia. 3-28

S. C., Spartanburg—Textile Industrial Institute, R. B. Burgess, Pres., plans \$35,000, 2-story, brick, combined administration building and men's dormitory.

Tenn., Chattanooga—Hamilton County Bd. of Education, J. E. Walker, Supt., selected R. H. Hunt Co., James Bldg., to prepare plans for schools as follows: Daisy, \$45,000; East Ridge, \$65,000; Apison, \$75,000; Patten Chapel, \$35,000; Snow Hill, \$7,000; White Oak, \$10,000; Central High addition, \$70,000. 6-6

Tenn., Chattanooga—City votes Aug. 6 on \$531,000 school bonds for following improvements: Chattanooga High, athletic field, \$20,000; East Lake Jr. High, addition, \$44,000;

Hardy Jr. High, addition, \$26,000; Avondale elementary, addition, \$23,000; East Chattanooga elementary, school, \$50,000; East Lake elementary, addition, \$30,000; Hemlock elementary, addition, \$37,000; Oak Grove elementary, addition, \$40,000; Third Dist. school remodeling, \$6000; vocational schools, fireproof shop building, \$40,000; Howard High, addition, \$50,000; Chattanooga Ave., addition, \$15,000; East Fifth St. grammar, \$64,000; Main St. school, repairs, \$5000; Second Dist. school, addition, \$5000; Churchville, repairs and addition, \$30,000; H. D. Huffacker, Commr. of Education. 5-16

Tenn., Lookout Mountain—Hamilton County Bd. of Education, J. E. Walker, Supt., Chattanooga, receives bids July 3 for \$50,000, 1-story and basement, stone grammar school; Clarence T. Jones, Archt.; E. E. Betts Engineering Co., Engr., both James Bldg., Chattanooga. 6-13

Tenn., Trezevant—School Bd. erect \$60,000 school; 2 stories and basement, rein. conc., steel, brick, stone trim, 14 classrooms and auditorium; J. F. Parish, Archt., Jackson. 5-16

Tex., Amelia—Amelia School Dist., A. D. Cannon, Pres., erect 2-story brick school; Livesay & Wiedemann, Archts., San Jacinto Life Bldg., Beaumont; bids in; \$16,000 bonds voted.

Tex., Angleton—Angleton Ind. School Dist. Trustees erect additions to and repair grammar and high schools; Giesecke & Harris, Archts., Second Natl. Bk. Bldg., Houston, and 207 W. 7th St., Austin; \$80,000 bonds voted. 5-23

Tex., Anson—City votes soon on \$25,000 school bonds.

Tex., Aransas Pass—Aransas Pass Ind. School Bd., Dr. Walter Noble, Pres., erect \$50,000, 1-story, 158x94 ft., brick and hollow tile high school; Ralph Cameron, Archt., Majestic Theatre Bldg.; W. E. Simpson Co., Engr., Natl. Bk. of Commerce Bldg., both San Antonio; bids in June 28. 5-16

Tex., Carrizo Springs—Carrizo Springs School Dist., Warren E. Holmgren, Pres., erect \$80,000, 1 and 2-story, 192x124 ft., brick, tile, semi-fireproof high school; Ralph H. Cameron, Archt., City Natl. Bk. Bldg.; Beretta-Stiles Co., Inc., Engr., Natl. Bk. of Commerce Bldg., both San Antonio; bids in. 6-13

Tex., Cold Springs—Cold Springs School Dist. Trustees erect school; \$35,000 bonds voted. 6-6

Tex., Floydada—Following communities voted bonds for schools: Goodnight, \$10,000; Sunset, \$16,000 for school at South Plains; Muncy, \$5200; Dougherty, \$20,000. Address Floyd County Bd. of Education.

Tex., Elysian Fields—School Bd. erect \$17,000, 4-classroom and auditorium school; C. G. Lancaster, Archt., Marshall.

Tex., Houston—Houston Ind. School Dist., H. L. Mills, Bus. Mgr., having plans prepared by J. W. Northrop, Kirby Bldg., for vocational school, Louisiana St. and Bell Ave.; first unit to have 15 to 20 rooms and cost \$100,000. 6-13

Tex., Kerrville—School Bd., John H. Ward, Pres., has low bid from E. F. Kusener, 735 Rigsby St., for 1-story, brick addition to elementary school and remodeling high school; \$60,000 bonds voted; Adams & Adams, Archts., Real Estate Bldg., San Antonio. 6-6

Tex., Keenan—School Bd. has low bid at \$15,430 from Koerner & Strain, Corpus Christi, for 1-story, 6-classroom, Spanish type school; W. C. Stephenson, Archt., Beeville.

Tex., Laredo—School Bd. erect 3 schools; \$225,000 bonds voted; Giesecke & Harris, Archts., Second Natl. Bk. Bldg., Houston, and 207 W. 7th St., Austin. 6-13

Tex., Lubbock—City votes July 9 on \$650,000 bonds for 3-story high school; Peters Strange & Bradshaw, Archts., Big Spring and Lubbock.

Tex., Oakhurst—Oakhurst School Dist. Trustees erect \$35,000 addition to school; bonds voted.

Tex., Pampa—W. R. Kaufman, Archt., preparing plans for \$10,000 school in Laketon Independence School Dist. near Pampa.

Tex., Seguin—Lutheran College, Dr. C. Weeber, Pres., has low bid at \$12,590 from Albert Nolte for 2 brick veneer, 6-room teachers' residences; Marvin Eickenroht & Barlett Cocke, Archts., Maverick Bldg., San Antonio. 6-13

Tex., Shepherd—Shepherd School Dist. Trustees enlarge school; \$40,000 bonds voted.

Tex., Skidmore—Skidmore Ind. Dist. School Bd., James Calloway, Sec., receives bids July 5 at office Hamon & Co., Archts., City Natl. Bk. Bldg., Corpus Christi, for



\$30,000, 1-story, 150x82 ft., brick, tile, stucco, cast stone trim, 6-classroom and auditorium school; wood, tile, and conc. floors. 5-16

Tex., St. Paul—St. Paul Ind. School Dist. erect 2-story school and remodel present building; \$10,000; Hamon & Co., Archts., City Natl. Bk. Bldg., Corpus Christi.

Tex., Tatum—School Bd. having plans prepared by Curtis & Thomas, Post-Dispatch Bldg., Houston, for elementary school and remodeling high school; \$50,000.

Tex., Tyler—City voted \$325,000 bonds for 2 junior high schools, ward school and improvements and additions to present schools. 5-30

Tex., Waco—Baylor University, Dr. S. P. Brooks, Pres., erect \$350,000, 3-story, 230x127 ft., rein. conc., brick and stone dormitory; slate, tar and gravel roof, oak, tile, cement and rubber tile floors; Birch D. Easterwood, Archt., Liberty Bk. Bldg.; H. L. Spicer, Engr., Amicable Bldg.; bids in. See Want Section—Building Material and Equipment. 6-20

Tex., Wallis—School Bd. having plans prepared by Louis P. Josseland, Houston, for \$60,000, 1-story hollow tile and stucco, 18-classroom school. 5-16

Tex., Waskom—School Bd. erect 4-classroom addition to school; \$12,500; also erect \$9000 school; C. G. Lancaster, Archt., Marshall.

Va., Hopewell—City voted \$750,000, school, street and sewerage bonds.

W. Va., Charleston—Charleston Ind. School Dist. Bd. of Education, E. A. Babcock, Sec., receives bids July 9 for 4-classroom addition to Watts Grade School; separate bids for heating; Warne, Tucker, Silling & Hutchison, Archts., Masonic Temple.

W. Va., Rivesville—Paw Paw School Dist. Trustees have plans by L. D. Schmidt of Fairmont Industrial Housing Co., Fairmont, for \$145,000 high school; E. E. Hale, Marion County Supt. of School, Fairmont. 6-13

W. Va., Union—Union School Dist. voted \$250,000 improvement bonds as follows: East Park Dist. — erection \$90,000 elementary school, installation sanitary system in present East Park school and repairs to building; State Street Dist. — completion and equipping auditorium, installation sanitary system, erecting 4 additional classrooms; Central School Dist. — installation sanitary system and drinking fountains, new furniture; East Side High School Dist. — \$90,000 building for manual training, domestic science and physical education; Victor H. Shaw, Pres., Bd. of Education. 6-6

### Stores

D. C., Washington—J. C. Letts, 3200 Elliott St., N. W., has permit for \$10,000, 2-story, brick addition to building.

La., New Orleans—Perry & Buckley, stationers, 723 Poydras St., remodel building, 434-440 Carondelet St.

La., Shreveport—Travis Realty Co. has permit for \$20,000, 1-story brick building, Crockett and Common Sts.; Seymour Van Os, Archt., Merchants Bldg.

La., Monroe—Morgan & Lindsey Co., 239 DeSiard St., erect brick store, DeSiard and N. Third Sts.; J. W. Smith & Associates.

Archt., Ouachita Natl. Bk. Bldg.; bids in June 25.

La., New Orleans—J. V. Abinanti erect 2-story, brick store an residence, 4206 Magazine St.; Emile eWil. Inc., Archt., Whitney Bk. Bldg.; bids in June 28. 6-20

Miss., Jackson — McArdle Estate, E. E. Hindman, Trustee, Lampton Bldg., soon call for bids for \$100,000, 4-story, 51x130-ft. brick and steel store, 312 Capitol St., to be leased to Sears, Roebuck & Co., Chicago.

Miss., Vicksburg—A. D. Helgason soon let contract for \$50,000 brick and rein. conc. building; M. J. Donovan, Archt., 2743 Washington St.

Mo., Clayton, St. Louis—John Kanteleon, care Dan Mullen, Jr., 18 N. Meramee St., soon let contract for \$14,000, 2-story and basement, 20x72-ft. brick store and office on Central Ave.

Mo., Kansas City—Gail Southwell erect 2-story store and office, Westport Ave. and Main St.; also group of 1-story stores, 39th and Main Sts.; \$125,000.

N. C., Asheville—S. Lipinsky Sons & Co., Inc., Haywood St., ready for bids for 3-story and basement, 45x108-ft. brick store; steel frame, tile walls, built-up roof, vapor heat; H. L. Gaines, Archt., Flatiron Bldg.

Okla., Tulsa—Gibson Oil Co., 909 N. Lewis St., soon let contract for 2-story and basement, 100 x 100 ft., brick and hollow tile store and apartment; Popkin & Boze, Archts., Commercial Bldg.

Tenn., Nashville — Crane Company, 836 S. Michigan Blvd., Chicago, having plans prepared by Hart, Freeland & Roberts, Ind. Life Bldg., for 2-story and basement 75x175 ft. rein. conc., brick store, 179-81 Third Ave.; stone trim, built-up roof.

Tex., Austin—C. M. Bartholomew, Austin Natl. Bk. Bldg., having plans prepared by Page Brothers, Archts., Austin Natl. Bk. Bldg., for \$40,000, brick, tile and rein. conc. store, W. Sixth and Lavaca St.

Tex., Dallas—Dreyfuss & Son, 1113 Main St., plan \$400,000 6-story store, Ervay and Main Sts.

Tex., San Antonio — Realty Finance Co., 1022 Smith-Younger Tower, erect community center on Main Ave.; \$500,000; 2 stories, 346x180 ft., rein. conc. frame, hollow tile and stucco, Spanish type, stores on first floor with 4-room bungalow apartments above.

Tex., Weslaco—R. C. Waters and D. E. Kirgan ready for bids in about 2 weeks for \$15,000, 1-story, 45x110-ft., semi-fireproof, hollow tile and stucco, Spanish type store, Texas Ave. and Fifth St., to be leased to J. C. Penney Corp.; R. Newell Waters, Archt., Weslaco; W. E. Simpson Co., Engr., San Antonio. 6-13

### Theaters

Miss., Newton — J. T. Thrash and Bill Mason, owners Amuse Theatre, erect \$25,000 theatre to seat 600 people.

### Warehouses

Tex., Brownsville—Jones Transfer & Storage Co. erect \$35,000 brick and conc. office and warehouse.

in offices, marble or tile corridor floors, marble trim in first floor corridor; 2 elect. gearless traction elevators with sheet metal and wire glass enclosure; direct system of lighting, vapor or low pressure steam from present heating plant, drinking water from present refrigerating system, marble wainscote and toilet partitions, ventilating system and marble floors in toilets; plans by J. C. Haly, archt. on staff of Ch. Engr. 1-24

La., Baton Rouge—Louisiana Power & Light Co. started work on 1-story brick office bldg., Jefferson St.; McBride Construction Co., Contr.

La., Monroe—Dr. J. B. Kendall, Ruston, Felix Drake, Minden, and others, let contract to Ashton Glassell, Picou Ave., Shreveport, for \$550,000 Medical Arts Bldg., Harrison and Catalpa Sts.; face brick, rein. conc. frame and floor slab, stone trim, fireproof, 9 stories, 75x60 ft., 3 passenger elevators, about 250 offices; Jones, Roessle, Olschner & Weiner, Archt., Ardis Bldg., Shreveport; plans complete in few weeks. 9-27

Md., Baltimore—Jas. Thrift, 216 St. Paul St., erect \$24,000 office bldg., 223 N. Calvert St.; architectural terra cotta and brick, 3 stories, 25x100 ft., linoleum floors, 5-ply 20-yr. roof, vapor heat; Carl F. Strommeyer, Archt., Calvert Bldg.; A. Goodman, Contr., 2000 Whittier Ave.

Tenn., Memphis—Union Planters Bank & Trust Co., having preliminary plans drawn by Hoggson Bros., 485 Fifth Ave., New York, for extension to bldg., Madison Ave. and Front St.; E. L. Harrison, Asso. Archt., Fidelity Bk. Bldg., Memphis; brick, conc. and steel, 2 stories and basement. 6-6

Miss., Jackson — Pearl River Gravel Co., Lampton Bldg., has sand and gravel contract for \$1,000,000 Jackson Tower Bldg. for Pearl Realty Co.; cement, Jackson Lumber Co., 322 W. Capitol St.; common brick, Johnson-Cone Brick Co., Livingston Rd.; factory work and glass and glazing, Enoch Lumber & Manufacturing Co., S. State St.; mail chute, Cutler Mail Chute Co., Rochester, N. Y., through City Coal & Material Co., Bailey Ave.; sheet metal and roofing, Warburton Co., Yerger St.; steel toilet partitions, General Builders Supply Co., Bailey Ave., all Jackson; caulking, Nachary Builders Supply Co., 802 Perdido St.; marble work, Southern Builders Material Co., Maison Blanche Bldg.; steel sash, Woodward, Wright & Co., Ltd., 451 Howard Ave.; tile, terrazzo and glass mosaics, American & Venetian Marble Co., 615 Julia St.; waterproofing, D. S. Melvin, Whitney Bldg., all New Orleans. La.: granite, John Clark Co., Rockville, Minn.; limestone, Christie Cut Stone Co., 2082 Elzey St., Memphis, Tenn.; plastering, P. L. Gomez & Co., Bond Allen Bldg., Atlanta, Ga.; rein. steel, Laclede Steel Co., Arcade Bldg., St. Louis, Mo.; Claude H. Lindsley, Archt., Lamar Life Bldg., Jackson; Gardner & Howe, Struct. Engrs., Porter Bldg., Memphis, Tenn.; O. M. Gwin Construction Co., Contr., Union Indemnity Bldg., New Orleans; painting not let. 6-20

Mo., Kansas City—Kansas City Structural Steel Co., 21st and Metropolitan Ave., has contract for 1200 tons struct. steel on \$1,500,000 Professional Bldg. for Grand Realty Co.; Chas. A. Smith and Geo. A. McIntyre, Archts.-Engrs., Finance Bldg.; Fridstein & Co., Contrs., 111 W. Washington St., Chicago, Ill. 5-30

Tex., Houston—Peden Iron & Steel Co., Baker St. and San Jacinto St. bridge, started work on \$250,000 office bldg.; brick and rein. conc., 4 stories, mezzanine, basement and part basement, 80x150 ft.; Jas. Ruskin Bailey, Archt., Public Natl. Bk. Bldg.; Don Hall, Contr., Cotton Exch. Bldg.

Tex., San Antonio—Stevens Sash & Door Co., 602 Monterey St., has millwork contract for \$125,000 remodeling of City Central Bank & Trust Co.; tile work, Trafton Tile & Marble Co., 103 W. Martin St.; marble, Vermont Marble Co.; rubber tile, Sales Service Co., both Builders Exch. Bldg.; plumbing and heating, Jud & Ormond, 703 N. Folres St.; elect. wiring, Loyd-Beale-Dittmar; painting, Walter J. Daly, Gunter Bldg.; plaster, John P. Healey; metal lath, A. Salisbury, both Builders Exch. Bldg., all San Antonio; cage work, Art Metal Construction Co., Jamestown, N. Y.; bronze work, Model Brass Manufacturing Co., 2309 Hickory St., Dallas, Tex.; vault door, Mosler Safe Co., Hamilton, O.; Robt. B. Kelly, Archt., Miami Bldg.; W. E. Simpson & Co., Engrs., Natl. Bk. of Commerce Bldg.; L. T. Wright & Co., Contrs., Bldrs. Exch. Bldg., all San Antonio. 5-30

### Churches

Ala., Bessemer—First M. E. Church, 1831 Arlington Ave., let contract at \$96,000 to W. L. Coston for bldg., plus \$30,000 for mechanical equipment; struct. steel, rein. conc.,

## BUILDING CONTRACTS AWARDED

### Association and Fraternal

Fla., West Palm Beach—American Legion complete arena; \$10,000, conc. steel beams, seat 2000; rein. conc. and conc. block, 1 story, 100x100 ft., built-up roof, A. O. Taylor, Engr., Citizens Bk. Bldg.; H. S. Harvey, Archt., Guaranty Bldg.; Coleman & Tinder, Contrs., Comeau Bldg.

La., New Orleans—Germania Lodge A. F. & A. M., erect brick and stone trim temple; 2 stories; Sam Stone, Jr., & Co., Archts., Masonic Temple Bldg.; Reimann Construction Co., Inc., Contr., Maritime Bldg.

Miss., Macon — Noxubee County Masonic Lodge No. 49 let contract for \$28,000 temple to Earl Cline, 1011 N. 16th St., Birmingham, Ala.; face brick, 2 stories; post office and store on first floor; F. A. Livingston, Archt., Louisville. 12-27

### Bank and Office

Fla., Orlando — First National Bank & Trust Co., W. R. O'Neal, Pres., let contract to G. W. Hessler, 111 W. Ashley St., Jacksonville, for \$300,000 bank and office bldg., Orange and Church Sts.; fireproof, brick,

granite exterior on 2 sides, 3 stories and mezzanine, 90x87 ft., 30x50-ft. lobby, elevator, soundproof walls, marble and bronze trim in banking room, telautograph, oil burning heating system, drinking fountains; 21 offices on each of 2 upper floors; Howard M. Reynolds, Archt., 423 S. Orange St. 12-6

Fla., Palm Beach—Wiley Reynolds, care W. R. Reynolds & Co., Jackson, Mich., let contract at \$19,133 to Wilcox Construction Co., West Palm Beach, for 2-story, 80x22-ft. office bldg.; Treanor & Fatio, Archts., Phipps Plaza, Palm Beach (Wilcox Bros. lately incorrectly noted as having contract for \$100,000 shop, office and apartment bldg.) 6-13

Ky., Louisville—Louisville & Nashville R. Co., W. H. Courtenay, Ch. Engr., let contract for \$1,000,000 addition to general office bldg., Broadway near Ninth St., to United Engineers & Constructors, Inc., 112 N. Broad St., Philadelphia, Pa., and 125 E. 46th St., New York; 11 stories and basement, 167-ft. frontage, separated from present bldg. by freight driveway; first 2 stories faced with stone, pressed brick with stone or terra cotta trim above, backing of brick and hollow tile trim, steel frame, conc. floor joists and hollow tile filler, hardwood floors

stone facing, 4 stories, 140x140 ft., pine floors, conc. foundation, tile roof; furnishings, equipment, etc., \$40,000; R. H. Hunt Co., Archt., James Bldg., Chattanooga, Tenn. See Want Section—Building Material and Equipment. 6-20

Ark.-Tex., Texarkana — Church of Christ erect \$10,000 bldg., 12th and Walnut Sts.; brick veneer, 1 story, pine floors, comp. shingle roof. 6-20

Ga., Atlanta—Georgia Conference Assn., S. D. A., erect \$15,000 church and school, 115 Ashby St., S. W., by day labor, Henry Brown, Constr. Supvr., both 547 Cherokee Drive, S. E.; cement block and stucco, 1 story, 72x120 ft., wood floors, cement foundation, asbestos or comp. shingle roof; Benjamin & McLaughlin, Archts., Grand Rapids, Mich. See Want Section—Building Material and Equipment. 6-20

Ga., Atlanta—Shearith Israel Congregation erect \$35,000 synagogue by day labor; W. J. Barfield, Supt.; brick, 70x90 ft., comp. roof; Chas. H. Hopson, Archt., Healey Bldg. 6-6

Ky., Hopkinsville — Ninth St. Christian Church, Rev. Horace Kingsbury, Pastor, let contract at \$30,000 to Long & Wholberry for \$30,000 bldg.; masonry, wood joist, 2 stories, 36x115 ft., wood floors, conc. foundation; A. A. Honeywell, Archt., Penway Bldg., Indianapolis, Ind.; work started. 6-20

Md., Baltimore — St. Matthews E. L. Church let contract to L. L. Chambers, Inc., 36th St. and Roland Ave., for Sunday school and parish house, Mayfield and Norman Aves.; Gothic type, stone, 2 stories; church later; total \$250,000; Buckler & Penhagen, Archts., 325 N. Charles St.; Wm. H. Emory, Asso. Archt., 18 E. Lexington St.; Henry Adams, Mech. Engr., Calvert Bldg.; H. Massart, Struct. Engr., 326 N. Charles St. 5-16

Miss., Columbus—First Baptist Church let contract at \$81,836 to D. S. McClanahan & Son, Columbus, for Sunday school; brick, stone trim, 3 stories, rein. conc. foundation; R. H. Hunt Co., Archt., James Bldg., Chattanooga, Tenn. 6-6

Mo., Webster Groves, St. Louis—First Congregational Church let contract to Dickie Construction Co., 317 N. 11th St., St. Louis, for \$50,000 Sunday school; wood joist, 2 stories, wood floors, stone foundation; Wm. B. Ittner, Inc., Archt., Bd. of Education Bldg., St. Louis. See Want Section—Building Material and Equipment. 6-6

Okla., Custer City—Christian Church, L. E. Ratliff, member, erect \$30,000 bldg.; Roy W. Shaw, Archt.; G. E. Autry, Contr., both Enid. 6-13

Okla., Norman — First Christian Church, Harry B. Ruthledge, Chmn., Bldg. Comm., started work on \$80,000 first unit of \$140,000 bldg., Webster Ave. and Eufaula St.; first unit contain auditorium, banquet hall and recreation room, 1 story and basement. 6-13

S. C., Woodruff — Antioch Presbyterian Church 7 miles from Woodruff, started work on \$10,000 bldg.; 42x52 ft.; N. P. Anderson, Archt.; J. F. McIntyre, Contr. 6-13

Tex., Amarillo—Tabernacle Baptist Church, Rev. J. C. Sisemore, Pastor, completed foundation for \$40,000 bldg.; brick, 2 stories and balcony, 60x90 ft., oak floors, conc. foundation, comp. roof; furnishings, equipment, etc., \$3,000; Harry R. Guiberson, Archt., Oliver-Eakle Bldg.; Breeding Bros., Contrs., 2711 Buchanan St. 6-13

### City and County

Ark., Rogers—City, A. E. Queen, City Clk., let contract to E. Bird Construction Co. for \$40,000 fireproof city hall; brick and conc., 2 stories and basement, 88x44 ft., slate roof; A. O. Clark, Archt. 6-20

La., New Orleans—Bendler-Weise Cabinet & Millworks, Inc., 246 Pacific Ave., Algiers, has millwork contract for \$1,750,000 criminal courts and parish prison bldg.; Diboll & Owen, Ltd., Archts., Canal Bk. Bldg. R. P. Farnsworth & Co., Contrs. Maritime Bldg. 4-25

La., Shreveport—Southern Seating Co., 210 Decatur St., New Orleans, has seating contract at \$12,764 for municipal auditorium; portable seats, M. L. Bath Co., Ltd., 610 Market St., at \$3879; elect. fixtures, Interstate Electric Co., \$11,725; Jones, Roessle, Olschner & Wiener, Archts., Ardis Bldg.; Seymour Van Os, Asso. Archt., Merchants Bk. Bldg.; Glassell-Wilson Co., Contr., 501 Texas St., all Shreveport. 6-6

Okla., Newkirk—Kay County Bd. of Commrs. let contract at \$30,845 to Richard Sherbon, Ponca City, for county home; brick veneer, 1 story and basement, 34 rooms, hospital ward, etc.; sewage disposal plant. 6-20

Okla., Seminole—City, Pal Noe, City Clk., Box 925, votes July 16 on \$25,000 bonds to purchase and remodel bldg. for city hall. 6-20

Tex., Temple—City erect rein. conc., tile and stucco band stand; orna. iron and tile work; Geo. E. Byars, Engr., Temple; Homer L. Fry, Landscape Archt., Milam Bldg., San Antonio; Ed. Warnken, Contr. 6-20

Tex., Devine — Medina County Bd. of Commrs., Hondo, laying foundation for courthouse, Bright St.; hollow tile, 1 story, 60x200 ft. 6-20

### Dwellings

Ark., Little Rock—W. H. Lynn, 320 Spruce St., erect \$10,000 residence, 4304 Lee Ave.; brick veneer, 2 stories, 10 rooms, oak floors, tile bath, comp. shingle roof; Bracy Real Estate & Building Co., Contr., Rector Bldg. 6-20

D. C., Washington—W. C. & A. N. Miller, 1119 17th St., N. W., have permit for \$12,500 dwelling, 3309 Thirty-fifth St., N. W.; brick, 2 stories; owners build. 6-20

Ark., Little Rock — Lawing & Gehrski, Contrs., remodel dwelling, 4206 Fairview Rd.; \$12,000. 6-20

Fla., Canal Point—Southern Sugar Co. completed foundation for 20 frame dwellings; 1 story, 25x27.6 ft., B. & B. pine floors, Genasco shingle roofs; \$35,000; Clark J. Lawrence, Archt., Murray Bldg., Palm Beach; Crow Bros., Contrs., Clewiston. 6-20

Fla., Jacksonville—L. H. Bessent, care Mahoney Lumber Co., Myrtle Ave., has broken ground for \$12,000 English type residence, Barcelona Ave., Granada; brick veneer, 2 stories, 6 rooms, 2-car garage. 6-20

Fla., Miami Beach—Oscar S. Thompson, Marion, Ind., erect \$23,000 residence, 5907 Pine Tree Drive; plans and constr. by C. R. Clark. 6-20

Fla., Miami Beach—Mrs. B. S. McClure, care F. Wyatt Woods, Archt., Ingraham Bldg., Miami, let contract to E. G. Horne Construction Co., 1016 Alhambra Circle, for \$40,000 residence and garage, Collins Ave. near 53rd St.; conc. block, 2 stories. 6-20

Fla., Miami Beach—City Builders Finance Co., 1620 Alton Rd., erect \$12,500 dwelling and garage, 15th Terrace near West Ave.; conc. block, rein. conc. and stucco, tile and comp. roof, 2-car garage; plans and constr. by owner. 6-20

Fla., Miami Beach—Miss Gold Brenneman, care B. Kingston Hall, Archt., Masonic Bldg., Miami, let contract to Wm. S. Green, 1107 Fifth St., Miami Beach, for residence and garage, N. Bay Rd. 6-13

Fla., Miami Beach—Earl Kiser, care B. Kingston Hall, Archt., let contract to Gunn & Goll, Inc., Security Bldg., both Miami, for \$30,000 residence and garage, Pine Tree Drive. 6-13

Fla., Miami Beach—W. H. Kinsler, 3718 Sheridan Ave., erect conc. block, rein. conc. and stucco residence, garage and servants' quarters; comp. roof, \$10,000; John C. Gaffney, Inc., Contr., 708 Collins Ave. 6-13

Fla., Miami Beach—City Builders Finance Co., 1620 Alton Rd., erect \$13,000 dwelling, 15th Terrace near West Ave.; 2 stories, conc. block, rein. conc. and stucco, tile and comp. roof, 2-car garage; plans and constr. by owner. 6-13

Fla., Palm Beach—Mrs. Chas. Amory let contract to Consolidated Engineering Co., 20 E. Franklin St., Baltimore, Md., for Spanish type residence; terra cotta tile and stucco, conc. foundation, 2 stories, 77x168 ft., tile and wood floors, flagstone terrace, steel lintels, laundry, 5-car garage, probably 10 baths, 2-story, 28x31-ft. tower, 56 ft. high, stone stairways, iron rails, wrought iron; approx. \$175,000; Wm. Gordon Beecher, Archt., 12 E. Pleasant St., Baltimore. 6-13

Fla., Sarasota—Powell Croxley, Jr., Mercantile Library Bldg., Cincinnati, O., completed foundation for fireproof residence, cast stone, Florida rock, steel sash, roll screens, conc. slab and tile floors, Celotex, tile and conc. with steel, 2 stories, 56x138 ft., Cuban tile roof; furnishings, equipment, etc., \$100,000; Geo. Albrete Freeman, Archt., Blackburn Bldg., Sarasota; Paul W. Bergmann, Inc., 325 E. 14th St., Sarasota, gen. contract at \$81,000 without sea-wall or grading; following sub-contracts let: Elect. work, Bendkorf Electric Co., Siesta Beach Rd.; plumbing, J. B. Green Plumbing Co., 204 Lemar Ave.; plaster, E. C. Naylor, 529 Ninth St.; masonry, E. Padgett; sheet metal, Smith & Branham, Sheet Metal Works, 427 Central Ave.; sea wall and piling, Jack Crawford, First Bk. & Tr. Bldg.; struct. steel, Chas. Barnes & Sons, Day Terminals. See Want Section—Building Material and Equipment. 6-20

Ga., Atlanta—Harry English, Fourth Natl. Bk. Bldg., let contract to Collins, Holdbrook & Collins, Atlanta Tr. Co. Bldg., for rein. conc. and face brick residence; 2 stories and basement, 67x58 ft., rein. conc. slab and

beams, marble and tile work, Indiana limestone and cast stone trim, Buckingham slate and comp. roof; Hentz, Adler & Shutze, Archts., Candler Bldg. 6-6

Ga., Atlanta—J. R. Jordan & Son, 671 Morningside Drive, erect addition to dwelling, 2028 Rock Springs Rd.; brick, hardwood floors, tile baths; \$10,000; owner builds. 6-6

Ga., Atlanta—Atlanta Realty & Construction Co., Healey Bldg., erect 4 brick veneer dwellings, E. Clifton Rd., N. E.; hardwood floors, tile baths, comp. roofs, steam heat; \$32,000; owner builds. 6-6

Ga., Atlanta—M. P. Fischback erect \$12,000 residence, Ponce de Leon Ave., N. E.; brick veneer, 2 stories and basement, hardwood floors, tile baths, slate roof, steam heat; H. A. Rawlins, Archt., Masonic Temple Bldg., Decatur; Wm. Alden, Contr., Decatur. 6-6

Ga., Savannah—W. W. Smith, Louisville Rd., erect rough face brick residence, 47th St. near Bull St.; 2 stories, 2 baths, 2-car garage; Pindar Real Estate Co., Contr., Realty Bldg. 6-6

Ga., Savannah — Pindar Real Estate Co., Realty Bldg., erect several dwellings, 47th St. near Bull St. 6-6

La., New Orleans — Alvin Brandin erect double residence, Lakeview; J. M. Werling, Contr., 2909 St. Bernard Ave. 6-6

La., New Orleans—A. J. Benfanti erect double raised dwelling, Ursuline St. near Roman St.; J. M. Werling, Contr., 2909 St. Bernard Ave. 6-6

La., New Orleans—Jas. H. Kepper erect Colonial bungalow, Versailles Blvd. near Claiborne Ave.; brick veneer, 1 story, 43x48 ft.; Lockett & Chachere, Archts., Balter Bldg.; work by sub-contract. 6-6

La., New Orleans—Nathan Rosenfeld, 4425 S. Tonti St., erect single 2-story Colonial residence, Forrest Hill; B. A. Russ, Contr., 4 Paladin Place. 6-6

La., Shreveport—L. C. Best, 1039 Blanchard St., let contract at \$16,840 to M. C. Brown for residence; 2 stories; D. A. Somdal, Archt., 801 Monrovia St. 6-6

La., Shreveport—D. W. Harris, Ardis Bldg., erect \$18,000 residence, Erie St.; D. A. Somdal, Archt., 1801 Monrovia St.; H. G. Hodges, Contr., 238 Prospect St. 6-6

Md., Baltimore — J. Hurst Purnell, Inc., Wingate & Sedgwick Rds., erect 4 brick dwellings and garages, Wickford Rd.; 2 stories; \$12,000; owner builds. 6-6

Md., Baltimore—G. W. Schoenhals, Munsey Bldg., erect 6 brick dwellings, 1704-14 Carswell St.; 2 stories, 15x40 ft., Carey roofs, steam heat; \$21,000; M. A. Taylor, Archt., 905 N. Bentalou St.; owner builds. 6-6

Md., Baltimore—Robinson & Slagle, Inc., American Bldg., erect 3 dwellings and garages, 323-27 Tuscany Rd.; brick, 2½ stories, Carey roofs, hot water heat; \$30,000; J. A. Ahlers, Archt., 529 N. Charles St.; owner builds. 6-6

Md., Baltimore—Mary E. Lear erect \$10,000 residence, 2344 Annapolis Rd.; brick, 2 stories, 25x60 ft., tin roof, hot water heat; Fredk. E. Beall, Archt., 301 St. Paul St.; Carl Brittle & Co., Contrs., 4235 Old Frederick Rd. 6-6

Md., Baltimore — Linwood Building Co. erect 9 frame dwellings, 2602-18 Creighton Ave.; 2 stories, 24x30 ft., steam heat; \$27,000; Leonard Nedinger, Contr. 6-6

Md., Baltimore—Walter P. Myers, Bldr., 3032 Fleetwood Ave., erect 30 cottages and bungalows, Westfield Ave. near Harford Ave.; 5 to 7 rooms; \$150,000. 6-6

Md., Baltimore — G. Bernard Lohmuller, Bldr., 3001 Greenmount Ave., erect 27 brick dwellings, 254 N. Ellamont St.; 2 stories; \$68,700; owner builds. 6-6

Md., Baltimore — Richwood Development Co., 625 Washington Blvd., erect 3 frame dwellings, 2421 Everton Rd. and 5601-03 Everhurst Rd.; 1 story, 30x42 ft., hot water heat; \$15,000; Fredk. Beall, Archt., 301 St. Paul St.; owner builds. 6-6

Md., Baltimore—Arrow Real Estate Co., 617 S. Oldham St., erect 10 brick dwellings, 5423-46 Jonquil Ave.; 2 stories, 19x34 ft., slate roof, hot water heat; \$25,000; Adolph C. Dreyer, Archt.; owner builds. 6-6

Mo., Columbia—Sam M. Jordan erect \$10,000 dwelling, Kuhlman Court; brick veneer and stone, 2 stories, 26x30 ft.; Bill & Traber, Archts., 1008 E. Broadway; Stewart Bros., Contrs., Guitar Bldg. 6-6

Mo., St. Louis—G. Kline, 2300 Chestnut St., erect \$10,000 brick residence, 4129 Iron St.; 2 stories and basement, 27x34 ft., tile bath, hardwood floors, comp. shingle roof, hot air heat; Garrison-Bradley Construction Co., Contr., 5830 Columbia Ave. 6-6



Mo., St. Louis—C. Reese, 5565 Lindell Ave., erect \$10,000 addition to residence; brick, 2 stories, 19x19 ft.; Jamieson & Spearl, Archts., Arcade Bldg.; Dickie Construction Co., Contr., Louderman Bldg.

Mo., St. Louis—L. B. Dockins erect 2 brick dwellings, 5523-27 Goethe Ave.; 1 story and basement, 27x43 ft., hardwood floors, tile bath, comp. shingle roof, hot air heat; \$10,000; E. L. Dockins, Contr., both 6528 Winnebago St.

Mo., St. Louis—J. R. Eaves, 3817 Humphrey St., erect 2 brick dwellings, 5934-38 Lucille Ave.; 1 story and basement, 19x42 ft., hardwood floors, tile bath, comp. shingle roof, hot air heat; \$10,000; J. Swederske, Contr., 5267 Robin Ave.

Mo., St. Louis—Wm. D. Baldwin, 4115 Kingshighway, S. W., erect \$17,000 residence, Kingshighway, S. W.; brick, 2 stories and basement, 36x28 ft., tile bath, oak floors, slate roof, hot water heat; O. J. Popp, Archt., Arcade Bldg.; Martin C. Bartels, Contr., 4910 Gravois St.

Mo., St. Louis—J. & M. Szeponski, 5065 Queens Ave., erect \$10,000 brick residence; 2 stories and basement, 25x32 ft., tile bath, hardwood floors, ruberoid shingle roof, hot air heat; work by sub-contract.

Mo., St. Louis—L. P. Murry, 3632 Filmore St., erect \$10,500 residence, 6014 Hennessee St.; brick, 2 stories, 33x28 ft., ruberoid shingle roof, hot air heat; F. Wehrle, Archt.-Contr., 3661 Utah Place.

Mo., Webster Groves, St. Louis—Louis Peters, 4300 38th St., has contract for \$10,000 painted brick dwelling, Valley Rd.; 1½ stories and basement, 32x40 ft.; Dan Mullen, Jr., Archt., 18 N. Meramec St., Clayton.

N. C., Greensboro—Dr. J. Mack Albright, R. F. D. No. 5, erect \$15,000 residence, Battleground Rd. and Cornwallis Drive; stone veneer, 2 stories and basement, 63x58 ft., hardwood floors, tile roof, vapor heat; M. L. Albertson, Archt., O'Henry Drive; D. L. Kenerly, Contr., 216 W. Smith St.

Okla., Tulsa—Adams & Reddin, Exch. Natl. Bldg., has permit for 20 dwellings, Avondale Addition; \$100,000.

Okla., Tulsa—Dr. John N. Glass, Medical Arts Bldg., erect \$12,000 residence, 1215 E. 27th Place; modified English type; Jeff P. Nix Realty Co., Contr., 1411 S. Birmingham Ave.

S. C., Aiken—St. Johns Methodist Church, Rev. J. G. Hardin, started work on parsonage.

S. C., Columbia—Realty & Development Co., T. E. Hair, Pres., 2217 Blossom St., plans 14 bungalows, Hollywood Drive and S. Pickens St., Hollywood; brick, 6 rooms, \$7500 to \$10,000; work started on one.

N. C., Winston-Salem—Dr. C. S. Lawrence, Oak St., let contract on cost plus basis to Kestler Construction Co., Reynolds Bldg., for \$30,000 residence; brick, 2 stories, 101x60 ft., brick and conc. foundation; C. G. Humphreys, Archt., Gilmer Bldg. See Want Section—Building Material and Equipment. 6-20

S. C., Aiken—W. R. Grace, Westbury, Long Island, let contract to North-Eastern Construction Co., 101 Park Ave., New York, and Nissen Bldg., Winston-Salem, for residence, stables, garage and tenant house; Jas. W. O'Connor, Archt., 162 E. 37th St., New York. 6-20

Tenn., Knoxville—Mrs. B. L. Chambers, 625 S. Gay St., erect 2 dwellings, Lindbergh Forest, Country Club addition; Colonial and English types; \$30,000; B. L. Chambers, Contr.

Tenn., Knoxville—Sequoyah Hills Building Co., 631 S. Gay St., erect 6 dwellings, Cherokee Blvd., Sequoyah Hills; \$150,000; B. L. Chambers, Contr. 6-20

Tenn., Memphis—M. H. Palmer, Fidelity Bk. Bldg., started work on brick duplex, Chickasaw Gardens; 2 stories and basement, 51x59 ft., asbestos shingle roof, steam heat; Geo. Mahan, Jr., Archt., Amer. Bk. Bldg.; owner builds.

Tenn., Memphis—Mrs. Hunter Phillips, care Geo. Mahan, Jr., Archt., City Bk. Bldg., erect brick veneer residence, Chickasaw Gardens; 2 stories and basement, 61x71 ft., oak floors, tile bath, steam heat, asbestos shingle roof, garage and servants' quarters; M. H. Palmer, Contr., Fidelity Bk. Bldg.

Tenn., Memphis—Geo. W. Woolam, 734 Barrett St., erect 2 brick veneer duplexes, 2228-32 Washington Ave.; 33x59 ft., comp. tile roof, tile baths, hot water heat; \$20,000; Claude Northern, Archt., Fidelity Bk. Bldg.; owner builds.

Tenn., Memphis—Mrs. N. D. Knapp, 2268 Madison Ave., having sketches drawn by Knapp & Chandler, Archts.-Engrs., Dermon

Bldg., for \$22,500 brick veneer residence; 2 stories, 30x70 ft., oak floors, conc. foundation, tile roof; furnishings, equipment, etc., \$10,000; constr. under supervision of Knapp & Chandler.

Tex., Amarillo—G. G. Ordway, 2400 Harrison St., erect \$10,000 residence, 2116 Ong St.; B. McCasland Construction Co., Contr., 206 Sunset Terrace.

Tex., Beaumont—W. H. McCurley erect \$20,000 residence, 2300 block Broadway; brick veneer, 2 stories, 8 baths; J. M. Russell, Contr.

Tex., Cuero—Chas. Cook let contract to Fritz & Weaver, Cuero, for 6 dwellings; plans by Contrs.

Tex., La Porte—J. W. Champion started work on second of 4 duplexes, Eighth Ave. near South A St.

Va., Covington—Covington Home Building Corp. soon start work on second unit of dwellings; 100 about completed, 100 in second unit, about 100 additional planned. 6-7-28

### Government and State

Tex., Dallas—Truscon Steel Co., Construction Industries Bldg., has contract for 600 tons rein. conc. for \$1,250,000 post office, N. P. Severin Co., Contr., 222 W. Adams St., Chicago, Ill. 5-16

### Hospitals, Sanitariums, Etc.

Mo., St. Louis—Salvation Army let contract to C. N. Lund, 815½ Chestnut St., for brick, stone and rein. conc. hospital, 3740 Marine Ave.; \$165,000, 3 stories and basement, 45x114 ft. and 46x65 ft.; H. J. Clymer, Archt., Wainwright Bldg. 6-20

Okla., Chickasha—Dr. Livermore and Dr. Downey let contract at \$43,500 to Shirley & Rhodes, Cushing, for hospital; conc., 3 stories, 40x100 ft., conc. floors, comp. roof, steam heat; E. H. Eads & Co., Archts., Chickasha. 5-23

W. Va., Huntington—Chesapeake & Ohio Rwy. Co., C. W. Johns, Ch. Engr., Richmond, Va., let contract at about \$225,000 to John W. Cowper Co., Inc., State Planters Bk. Bldg., Richmond, and Buffalo, N. Y., for extension to hospital; fireproof, 4 stories and basement, 40x187 ft., rein. conc., frame, brick walls, diet kitchens, elect. refrigerators, accommodate 133. 6-6

### Hotels and Apartments

D. C., Washington—Mintwood Corp. erect \$700,000, 8-story, 146x112 ft., brick and conc., 119-apartment, 1845 Columbia Road, N. W.; R. P. Whitty Co., Bldr., Denrike Bldg.; Louis T. Rouleau, Archt., Investment Bldg.

Fla., Miami Beach—Carl G. Fisher Properties, 846 Lincoln Road, let contract to Wm. S. Green, 1107 Fifth St., for seven 2-story, 40x40 ft., cinder block cottages on grounds King Cole Hotel, to cost \$60,000 first of series of contracts to be awarded on or before July costing \$250,000; other improvements include 4 bungalows on roof Nautilus Hotel, together with construction swimming pool, 48 cabanas on island west of hotel; 3 cottages and brokerage office on grounds of Flamingo Hotel; also erection \$18,000, 2-story residence for A. J. Fisher, of Fisher Automobile Body Co., on grounds of Flamingo; plans by August Geiger, 58 S. E. 7th St., Miami and J. P. Duffy, care owner. 5-30 and 4-11

Ga., Atlanta—C. E. Beem, Atlanta Trust Co. Bldg., erect \$35,000, 2-story and basement, brick, 8-apartment, Highland Ave. near Virginia; comp. roof, hardwood floors, Roll-A-Way beds, electric refrigeration, steam heat; owner, Archt.-Bldr.

Ga., College Park—Samuel Rollo Young convert 2-story and basement, frame residence into 4-apartment building; \$10,000, comp. roof, steam heat, hardwood and tile floors; S. W. Trowbridge, Archt., Forsyth Bldg., Atlanta; owner builds.

Ga., Hapeville—J. R. Hunnicutt and G. H. A. Thomas let contract to Griffin Construction Co., 452 Spring St. N. W., Atlanta, for \$100,000, brick, 65-room hotel, Fulton and Central Aves.; comp. roof. 5-16

Ga., Hapeville—S. G. Walker erect 2 apartment buildings, Virginia Ave. near Candler Aviation Field; one building, 18 units; other to store automobiles on ground floors with apartments above; \$75,000, brick, comp. roof; owner, Archt.-Bldr.

Ga., Sea Island Beach, St. Simons Island—Lindsey & Morgan Co., 17 W. York St., Savannah, has contract for furnishing, to cost \$50,000, for Cloister Apartments being erected for Georgia Coastal Hotel Co.; Francis L. Abreu, Archt., Dunwoody Bldg., Brunswick; H. B. Nelson Construction Co., Contr., Augusta. 4-18

La., Shreveport—D. F. Semich let contract at \$12,900 to Land Building Co. for 2-story garage and apartment addition to building, Marshall and 6th Sts.; E. A. George, Archt. 6-20

Mo., Kansas City—M. A. Crummett Building Co. has permit for \$10,000, 2-story, 80x40-ft. 8-apartment, 4325-27 Roanoke Parkway.

Mo., Kansas City—Linwood Construction Co., Dr. D. M. Nigro, Argyle Bldg., Harry B. Goldberg, erect 10-story, 54x140-ft. apartment hotel, Linwood Blvd. and Tracy Ave.; 4 stores on ground floor.

Mo., Kansas City—Earle K. Radford, 1009 W. 57th St., erecting 5-story, 50-apartment hotel, 1207 Linwood Blvd. 9-20-28

Mo., St. Louis—L. C. Scatizzi, 1010 Chestnut St., has permit for 3 two-story, 25x46 ft., brick tenements, 5501-9 Rosa St.; \$30,000; comp. shingle roofs, hot air heat; owner, Archt.-Bldr.

Okla., Oklahoma City—Following sub-contracts awarded on \$300,000 Skirvin Hotel addition for which Campbell & Price, 603½ W. Main St., have general contract: Stone, Algonite Stone Mfg. Co., East Park Pl.; Steel, Midwest Steel Co., First Natl. Bk. Bldg.; roofing, Standard Roofing & Material Co., 24th & Broadway; lumber, Long Bell Lumber Co., 13 W. 23rd St.; Layton, Hicks & Forsythe, Archts., Braniff Bldg. 5-2

Tex., Port Arthur—A. T. Eddington, Sabine Towing Co., Inc., Houston Ave., has permit for four 2-story, brick veneer apartments, 3300 block Proctor St.; \$150,000; L. W. Lindsey, Archt., Second Natl. Bk. Bldg., Houston; J. O. Herpin, Contr., 225 Lakeshore Drive, Port Arthur.

Tex., Fort Worth—C. E. Turner let contract to Geo. E. Jackson, 1009 May St., for \$25,000, 2-story, 33x76 ft., brick veneer, 18-apartment, 2415-17 Clinton St.; comp. roof, oak floors.

Tex., San Antonio—C. A. Walker, 215 W. Courtland Place, completed foundation for \$75,000, 2-story, 142x98 ft., frame and stucco Spanish type apartment, 203-11 W. Courtland Place; equipment, \$20,000; oak tile and conc. floors, tile roof; Carvel & Co. Archts. Contrs., Milam Bldg.; R. B. Shoop, Engr., Builders Exchange Bldg. See Want Section—Building Material and Equipment. 6-13

### Miscellaneous

Fla., Miami Beach—St. Patrick's Church, Meridian Ave. and 39th St., let contract to Wm. F. Bonsack, 1629 Alton Road, for \$27,000 convent; Gerald A. Barry, Archt., Chicago. 6-20

Fla., Miami Beach—Wm. Taradash, 1461 Washington Ave., erect \$22,000 restaurant and store, Lincoln Road; O'Neill-Orr Construction Co., Contr., 212 N. E. 4th St., Miami; Alexander Lewis, Archt., Miami Beach.

Ga., West Point—West Point Manufacturing Co., Langdale Mill Div., Langdale, Ala., let contract at \$35,000 to Newman Lumber Co., LaGrange, for 1-story and basement, rein. conc., brick and hollow tile gymnasium; tar and gravel roof, Indiana limestone trim; Robert & Co. Engrs., Bona Allen Bldg., Atlanta. 6-13

Tex., San Angelo—San Angelo Building Co. expend \$5000 for remodeling old city hall for cafeteria to be leased to W. P. Ray and M. Stein who will expend about \$20,000 for furniture and fixtures.

Tex., Victoria—Reynolds Presbyterian Orphanage, Roland Martin, Treas., started work on \$13,000, 40x100-ft., brick, fireproof vocational training building; Eckert-Burton Construction Co., Inc., Contr., Melba Bldg., Dallas; H. O. Blanding, Archt., Corsicana. 4-18

Tex., San Antonio—Protestant Orphans Home Bd. of Directors, Mrs. H. T. Campbell, Pres., let contract at \$25,698 to Jim Chittim, 410 Ruiz St., for 1-story, 111x32-ft. brick and rein. conc. isolation ward building; Phelps & Dewees, Archts., Gunter Bldg.; W. E. Simpson Co., Engr., Natl. Bk. of Commerce Bldg. 6-20

Tex., Waco—Methodist Orphans' Home started work on \$15,500, 2-story and basement building for baking plant and garage, gift of W. T. Phears Estate, Troy.

### Schools

Ala., Tuskegee—Tuskegee Institute, Chas. H. Gibson, Jr., erect \$50,000 brick classroom building; comp. roof, wood and tile floors, steam heat; owner builds, day labor.

Fla., Coral Gables—Dade County Bd. of Public Instruction, Charles M. Fisher, Supt. Miami, let contract at \$49,500 to Fred Howland, 1472 N. W. 14th St., Miami, for 9-classroom addition to Ponce de Leon High School; Phineas Paist, Archt., Art Center Bldg. 6-13

Ga., Dillard—School Bd., C. B. Brown, Chmn., started work on two 4-room brick and frame additions to school; comp. roof, wood and conc. floors; Wm. J. J. Chase, Archt., 140 Peachtree St., Atlanta, Ga.; day labor. 6-20

Ky., Berea—Bd. of School Trustees, E. L. Roberts, let contract at \$26,000 to Stephens & Muncy for 1-story, 82x112-ft., 6-classroom and auditorium-gymnasium high school; Churchill & Gillig, Archts., Fayette Bk. Bldg., Lexington. 6-20

Ky., Louisville—Bd. of Education, Samuel D. Jones, Bus. Mgr., broke ground for \$600,000 3-story, 485x210 ft., brick and tile Parkland Jr. High School, 25th and Wilson Sts.; George H. Rommel Co., Contr., 958 Logan St.; J. Meyrick Colley, Archt., Administration Bldg. 5-23

Ky., Pleasant Ridge—Davless County, J. W. Snyder, Supt., Owensboro, and Ohio County, O. L. Shultz, Supt., Hartford, let contract at \$13,280 to Williams & Skillman, Owensboro, for 1-story, brick, 4-classroom and auditorium school. 5-23

La., Baton Rouge—East Baton Rouge Parish School Bd. let contract at \$44,843 to Burkes Co. for 2-story brick addition to North Highlands and Fairfield schools; Wogan & Bernard, Archts., Canal Bk. Bldg., New Orleans, and Old Reymond Bldg., Baton Rouge. 6-13

Md., Dundalk, Baltimore—Public Improvement Comsn., Herbert J. Leimbach, Supv. Engr., let contract to Cogswell-Koether Co., 406 Park Ave., for school addition; Smith & May, Archts., Calvert Bldg. 6-13

Md., Frederick—Hood College, Dr. J. H. Apple, Pres., erect \$125,000, 4-story brick dormitory; Lloyd C. Culler, Contr.; John B. Hamme, Archt., York, Pa.; James Posey, Consltg. Engr., 201 W. Franklin St., Baltimore. 8-23-28

Miss., Clarksdale—Acme Building & Supply Co., Eighth Ave. at A St., Meridian, has contract for millwork and Tri-State Steel Co., Memphis, Tenn., steel work for Junior High School for which Howell Brothers Construction Co. has general contract at \$151,000; P. J. Krouse, Archt., M.-W. Bldg., Meridian. 6-13

Miss., Holly Springs—Bd. of School Trustees, G. M. Buchanan, Pres., let contract at \$16,992 to W. G. Jones, 1831 Oliver St., Memphis, Tenn., for 1-story, 52x124 ft., rein. conc., brick, stone trim grammar school; asphalt shingle roof, wood floors; J. M. Spain, Archt., Millsaps Bldg., Jackson. 5-30

Miss., Macon—School Bd., Mrs. W. S. Mullins, Sec., let contract at \$27,808 to Williamson & Gilmore, Lena, for 1-story, rein. conc., brick, stone trim school; 8-classrooms and auditorium to seat 500 people; P. J. Krouse, Archt., M.-W. Bldg., Meridian. 6-6

Miss., Pass Christian—St. Joseph's Academy let contract at \$19,000 to John T. McDonald & Son for 2-story, rein. conc., brick and stone trim, 7-classroom building, first unit of proposed building program; built-up roof; John T. Collins, Archt., Biloxi. 6-13

Miss., Porterville—Porterville Consolidated School Bd., W. E. Rogers, Sec., let contract at \$21,772 to L. B. Priestler & Sons, 1403 12th Ave., Meridian, for 1-story, rein. conc., brick and stone trim school; also let contract at \$3500 to Williamson & Gilmore, Lena, for 1-story, frame, teachers home; P. J. Krouse, Archt., M.-W. Bldg., Meridian. 6-6

Miss., Sanford—Covington County Bd. of Education, M. D. Shows, Supt., Collins, let contract at \$22,000 to Burt Construction Co., Columbia, for 1-story brick school; 8 classrooms and auditorium, comp. built-up roof, wood floors. 6-6

Mo., Bakersfield—School Bd. let contract to J. S. Brown, Willow Springs, for \$15,000, brick and conc., 7-classroom and auditorium high school; Heckenlively & Mark, Archts., Landers Bldg., Springfield. 6-6

Mo., Crane—Bd. of Education let contract at \$25,880 to B. O. Shart, Pierce City, for 2-story and basement, 45x90-ft., brick, 10-classroom and auditorium high school; Earl Hawkins, Archt., McDaniel Bldg., Springfield. 4-25

Mo., St. Joseph—Bd. of Education, A. L. Loving, Sec., let contracts for school additions as follows: McKinley, \$34,698, Batsell & George, 601 N. 4th St.; 1 story, 95x53 ft.; Whittier, \$39,057, Batsell & George, 601 N. Fourth St.; 1 story, 148x63 ft.; Lafayette, \$61,600, T. W. Hackett Construction Co., 1023 Church St.; 2 stories, 110x77 ft.; Humboldt, \$33,749, P. P. Buddy Building & Construction Co., 501 Main St.; 1 story, 95x43 ft.; Washington, \$24,768, Sam Hotchkiss, 18th and Penn Sts.; 1-story and basement, 54x71 ft.; Bartlett, \$48,650, S. E. Schultz, Chilli-

cothe; 1 story and basement, 134x63 ft.; Benton, \$40,578, E. H. Lawhon Construction Co., 110 N. Main St.; 2 stories and basement, 32x40 ft.; Wm. B. Ittner, Inc., Archt., 911 Locust St., St. Louis. 5-30

N. C., Rutherford College—Rutherford College, Inc., Dr. Edgar P. Billups, Pres., let contract at \$9600 to Cline & Marlow, Hickory, to remodel administration building; new porch with stone columns, terrazzo floors, interior finish; total cost \$17,000. 6-13

Okla., Oologah—Bd. of Education let contract at \$18,650 to Wm. Black, Okemah, for 1-story, 97 x 105 ft., brick and stone school; A. J. Love, Archt., Atco Bldg., Tulsa. 5-16

Okla., Tulsa—University of Tulsa, Dr. John D. Finlayson, Chancellor, let contract to W. S. Bellows Construction Co., Herskowitz Bldg., Oklahoma City, for \$150,000, 3-story, stone, Gothic type Fine Arts Building, gift of Mr. and Mrs. Harry C. Tyrrell; Henry C. Hibbs, Archt., American Trust Bldg., Nashville, Tenn. 2-28

S. C., Clemson College—Clemson College Trustees let contract to Morris-McKoy Building Co., Finlay Bldg., Greenville, for field house; steel structure, 119x190 ft., brick walls, metal sash, built-up roof; R. E. Lee, Archt. 6-13

S. C., Clinton—Col. Leroy Springs, Pres., Springstein Mills and Eureka Cotton Mills, Chester, erect \$40,000 swimming pool in Leroy Springs Gymnasium at Presbyterian College of South Carolina. 6-13

S. C., Goldville—Joanna School, Hunter Township, J. B. Hart, Trustee, let contract at \$50,000 to J. Roy Crawford, Clinton, for 1-story, frame and brick veneer, 13-classroom and auditorium school; comp. roof; Lockwood Greene Engineers, Inc., Engr., Spartanburg. 6-13

S. C., Columbia—LeComte College, University of South Carolina, has permit for \$30,500, 1-story, brick addition to 3-story and basement building; slate roof; owner probably build by day labor. 6-13

S. C., Spartanburg—Converse College let contract at \$28,815 to L. L. Merchant Construction Co., 290 Biltmore Ave., Asheville, N. C., for remodeling main building and annex. 5-30

Tenn., Celina—Clay County School Bd. let contract to J. T. Crawford, Black's Ferry, Ky., for schools in Tinsley Bottom and Neely Cross Roads. 6-13

Tex., Amarillo—St. Mary's Catholic Church let contract to C. S. Lambie to remodel St. Mary's School; brick and stone; Henry T. Phelps, Archt., Hicks Bldg.; W. E. Simpson Co., Engr., Natl. Bk. of Commerce Bldg., both San Antonio. 5-30

Tex., Austin—Bd. of School Trustees, E. A. Murchison, Pres., let contract to Brydson Bros. for 1 story and basement, 96x123 ft., brick and rein. conc., east stone gymnasium on West Ave.; conc., tile, wood and linoleum floors; Giesecke & Harris, Archts., 207 W. 7th Ave. 6-13

Tex., Austin—University of Texas, J. W. Calhoun, Comptroller, erecting \$450,000, 150x261 ft., brick, stone, struc. steel and terra cotta gymnasium-auditorium; tile and comp. roof; J. E. Morgan, Contr., 319 Texas St., El Paso; Herbert M. Greene, aLRoché & Dahl, Archts., Construction Industries Bldg., Dallas. 5-9

Tex., Del Rio—Sacred Heart Catholic Church let contract at \$33,982 to J. E. Dickey, 216 Eleanor St., San Antonio, to remodel interior and exterior Sacred Heart School; brick and conc.; Henry T. Phelps, Archt., Hicks Bldg., San Antonio. 5-9

Tex., Fairview—Fairview Ind. Dist. School Bd., Mrs. Russell Savage, Pres., Corpus Christi let contract to Wood Sherman Construction Co., Inc., 315 Peoples St., Corpus Christi, for 2-story, 67x57 ft., brick and conc. school near Corpus Christi; wood and conc. floors; Hardy & Curran, Archts., Nixon Bldg., Corpus Christi. 6-20

Tex., Fort Davis—School Bd. let contract at \$42,787 to E. J. Wood, Midland, for 1-story, 152x104 ft., brick school; Page Bros., Archts., Austin Natl. Bldg., Austin; M. L. Diney, Engr., San Antonio. 6-13

Tex., Houston—Houston Ind. School Dist., H. L. Mills, Bus. Mgr., let contracts for schools as follows: Montrose, remodeling, \$14,701; Eastwood, addition, \$2074, both James M. L. West, Post-Dispatch Bldg.; Independence Heights, \$34,767, R. R. Hasbrank; Meadowbrook, \$11,900, B. P. Panas, Esperson Bldg.; Hahl, \$18,950, Kuntson Construction Co., Union Natl. Bk. Bldg.; Love School, \$9012, C. W. Ennis, 3219½ Louisiana St. 6-13

Tex., Pampa—H. L. Case Construction Co. has contract for \$12,000 brick school in Hopkins Dist. 6-13

Tex., Weslaco—Weslaco Ind. School Dist. Trustees let contract at \$13,539 and \$17,495 to Meriwether & Sauers, Harlingen, for 4-classroom addition to Mexican School and 2-classroom and auditorium addition to grammar school; both Spanish style, semi-fireproof, hollow tile and stucco; R. Newell Waters, Archt. 6-20

Tenn., Whitwell—Marion County Bd. of Education, Jasper, started work on \$50,000 brick Whitwell High School; T. S. Moudy & Co., Contrs., Chamberlain Bldg., Chattanooga. 6-20

## Stores

Fla., Miami—Following additional subcontracts awarded on \$500,000 store, Biscayne Blvd. and 14th St., being erected by Biscayne Boulevard Co., 1317 Biscayne Blvd., and leased to Sears, Roebuck Co., Chicago, L. H. Beall, Regional Mgr., Atlanta, Ga.; Electrical installation, Harrington Electric Co., 150 N. E. Third St.; steel rolling doors (Kinneair), Aufford Agency; steel toilet partitions, Metal Products Co., 60 N. E. 27th St.; freight and passenger elevator enclosures, Metal Products Co.; misc. iron and steel, flagpole, G. M. Dykes Iron Works, Inc., 69 W. Third St.; roofing (Barrett specification), Baker Roofing Co., Inc., 604 U. W. Fifth St., all Miami; millwork, Gate City Sash & Door Co., Fort Lauderdale; struc. steel, steel stairs and railing, Decatur Iron & Steel Co., Decatur, Ala.; fire protection system, The Automatic Sprinkler Company of America, 1 Park Ave., New York; Harrison Construction Co., Gen. Contr., N. E. 45th St., Miami; Nimmons, Carr & Wright, Archts., 333 N. Michigan Ave., Chicago. 6-20

Ga., Atlanta—Pig 'N Whistle, H. T. Hagan, Red Rock Bldg., let contract at \$10,800 to C. R. Justi, 101 Marietta St., for barbecue stand, Spring and Peachtree Sts.; 1 story and basement, 44x24 ft., frame, brick and cement piers, slate roof, wood floors; Burge & Stevens, Archts., 101 Marietta St. 6-13

Ga., Atlanta—Latham & Atkinson, 81 Whitehall St., S. W., let contract to W. B. Hiers, 1497 Westwood Ave., S. W., to remodel and erect addition to 2-story and basement brick store, 185 Peachtree St., N. E.; Ivey & Crook, Archts., Candler Bldg. 6-13

Md., Middletown—C. T. K. Gladhill started work on 4-story, 42x72 ft., conc. block building for furniture store and funeral parlors; T. C. Shafer, Archt., supervise construction. 6-13

Miss., Hattiesburg—Westbrook Manufacturing Co., Jackson, has contract for \$15,000 fixtures for \$125,000 department store for Davidson Co., W. H. Nevins, Pres.; Smallwood Construction Co., Gen. Contr., 1109 Fifth Ave., N., Birmingham, Ala. 6-13

Mo., St. Louis—M. C. Monument Co., 4748 N. Florissant St., has permit for \$18,000, 2-story, office, show room and dwelling; 37x62 ft., brick, comp. tar and gravel roof; L. C. Scatizzi, Archt.-Bldr., 1015 Chestnut St. 6-13

N. C., Reidsville—Mrs. Lillie B. Pinnix erecting 64x160-ft., 1-story and basement store for Montgomery Ward & Co., Chicago; T. C. Cozart, Contr., Moore Arcade Bldg., Greensboro; S. F. Terry, Jr., Archt., Reidsville. 6-13

N. C., Reidsville—C. W. Swann erecting \$20,000, 2-story and basement, 50x100-ft. store for J. C. Penney Corp., 330 W. 34th St., New York; T. C. Cozart, Contr., Greensboro. 6-13

N. C., Reidsville—S. B. Mace erecting \$10,000 store; Reidsville Construction Co., Contr. 6-13

Okla., Boise City—Cox Hardware Co. let contract at \$16,407 to Roy D. Speer for 1-story, brick, stone, rein. conc. store; conc. and wood floors, built-up roof; J. Roy Smith, Archt., Blackburn Bldg., Amarillo. 6-20

Okla., Tulsa—National Supply Co., O. T. Dawson, Mgr., 9 S. Main St., let contract to W. H. Hooster for 3-story, brick and rein. conc. store and warehouse; A. M. Atkinson, Archt., Mid-Continent Bldg. 6-20

Tex., Coleman—E. E. McElrath let contract to E. J. Powell for \$10,000, 50x100 ft., brick store on Commercial Ave. 6-20

Tex., Dallas—A. A. Lander, Marvin Bldg., soon start work on store, E. Grand Ave. and Fairview St.; brick, granite, stone and tile trim; Cowdin Brothers, Contrs.; F. J. Woerner & Co., Archts., Central Bk. Bldg., supervise construction. 6-20

Tex., Fort Worth—Max Gilbert, 2211 Fairmount St., let contract to Echols Bros., 1010½ Main St., for steel work for addition and remodeling store, 5th and Houston Sts.; Wyatt C. Hedrick, Inc., Archt., First Natl. Bk. Bldg. 6-20

Tex., Houston—Sears, Roebuck & Co., Chicago, repairing store; B-W Construction Co., Contr., 720 Cass St., Chicago. 6-20



Tex., Portales—H. H. Buchanan let contract at \$12,256 to Ira Jones, Lamesa, for 25x130-ft. store on Main St. for J. C. Penney Corp., 330 W. 34th St., New York.

Tex., San Angelo—B. G. Kilgore let contract at \$10,253 to Carter & Hall for 1-story, 65x110 ft., brick addition to Kilgore Bldg., 18-20 S. Chadbourn St., occupied by Shepperson Furniture Co.; Arthur R. Swartz, Archt.

Tex., San Antonio—National Family Stores, Inc., Houston St., remodel interior and exterior west portion Guaranty Bank Bldg.; brick, tile, conc.; L. T. Wright & Co., Contrs., Bldrs. Exchange Bldg.; Robert B. Kelly, Archt., Milam Bldg.

Tex., San Antonio—Jorrie Furniture Co., R. Jorrie, 421 Burnett St., let contract at \$40,100 to U. H. Wagner, Travis Bldg., for 3-story, 55.6x143 ft., store, San Pedro and Quincy Sts.; rein. conc. frame and slabs, masonry walls, stucco and cast stone trim, oak over conc. floors, built-up roof over conc. slab; Kelwood Company, Archt., Travis Bldg.; Matthews & Kenan, Engrs., Smith-Young Tower. See Want Section—Building Material and Equipment. 6-20

Tex., Uvalde—Mahaffey Abstract Co. let contract to Majors Construction Co. for 1-story, 51.6x20.4-ft. building; conc., masonry, cast stone, face tile; Will N. Noonan Co., Archt., Bldrs. Exchange Bldg., San Antonio. 6-13

Va., Martinsville—Stultz Bros., Inc., plumbers, let contract to Fred B. Fuqua Co., Martinsville, and Krise Bldg., Lynchburg, for \$12,000, 2-story, 33x87 ft., brick, steel and conc. store on Franklin St. 5-2

Va., Roanoke—United Cigar Stores Co., 44 W. 18th St., New York, let contract at \$69,000 to J. F. Barbour, Colonial Natl. Bk. Bldg., for 2-story and basement, 50x80 ft. building, Campbell Ave. and Jefferson St.; steel and frame, marble, granite and terra cotta trim, 2 marble stairways; H. M. Miller, Archt., Shenandoah Life Bldg. 5-30

Va., Roanoke—T. W. Goodwin, 1010 Orchard Hill St., erect \$35,000 brick and frame building on Norfolk St. to replace burned structure; D. J. Phipps, Contr., Boxley Bldg.

### Theaters

Ark., Little Rock—Saul S. Harris, 221 Ridgeway St., and Ike Kempner, 2100 Arch St., erect 3-story, 60x100 ft., fireproof store and office building, 113 W. Third St.; foundation for 5 or 6 stories; McGregor & Pickett, Contrs., A. O. U. W. Bldg.; Wittenburg & Delony, Archts., Home Ins. Bldg.

Tex., Corpus Christi—R. & K. Gulf Amusement Co. let contract to Wood Sherman Construction Co., Inc., 315 Peoples St., for \$250,000, 285x60-ft., brick, rein. conc., cast stone theater; conc., terrazzo, tile and wood floors; W. Scott Dunne, Archt., Melba Bldg., Dallas. 6-13

Tex., Eagle Lake—Hayes Stephens erecting \$20,000, 45x120-ft., brick, hollow tile and conc. theater; Cole & Milentz, Lessees; R. H. Reese, Contr.

### Warehouses

Ga., Atlanta—Monroe Bonded Warehouse, T. J. Monroe, 1000 Marietta St. N. W., erect

4-story and basement extension to 4-story and basement warehouse, 150 Peters St., S. W.; rein. conc., tar and gravel roof; owner builds, day labor.

Md., Baltimore—Montague, Rogers, Inc., Vernon Montague, 1201 Walnut Ave., erecting storage warehouse, Belmont Ave. and Poplar Grove St.

Miss., Pontotoc—Pontotoc Canning Factory started work on 30x80 ft. warehouse; R. P. Finley, Contr.

N. C., Durham—Following sub-contracts awarded on warehouse of 11 units to cost \$500,000 for American Tobacco Co., Fiske-Carter Construction Co., Bldr., Masonic Temple, Greenville, S. C.; Roofing and sheet metal, J. A. Piper Roofing Co., 116 W. Court St., Greenville; steel sash, Detroit Steel Products Co., 2250 E. Grand Blvd., Detroit Mich.; timber and plank, Standard Lumber Co., Title Guaranty Bldg., Birmingham, Ala.; cement, Pennsylvania-Dixie Cement Corp., Chattanooga, Tenn.; stone, Raleigh Granite Co., Citizens Bk. Bldg., Raleigh; brick, Shale Brick Corp., Sanford, and Grant Brick Works, Weldon; sand, Borden Brick & Tile Co., 606 Ramseur St.; excavation, Nello L. Teer, Teer Bldg., both Durham; misc. steel and iron, Carolina Steel & Iron Co., S. Elm St., Greensboro; corrugated iron, Globe Iron Roofing & Corrugating Co., Ninth & Lowell Sts., Newport, Ky. 6-6

N. C., Reidsville—J. S. Pinnix and J. F. Smith erecting \$30,000, 122x270 ft., brick, steel and conc. warehouse; T. C. Cozart, Contr., Moore Arcade Bldg., Greensboro.

## WANT SECTION

### THE CLASSIFICATIONS IN THIS SECTION ARE:

#### Machinery and Supplies

Under this heading are reported requests for data, prices and literature and information on machinery, supplies and miscellaneous materials of a wide variety.

#### Building Materials and Equipment

This division comprises all classes and kinds of materials and equipment used in building and construction projects of every kind.

#### Bids Asked

Includes bids asked by U. S. Government, States, districts, municipalities, firms and individuals for machinery, materials, supplies and construction work.

*Items in this department are published without charge and these columns are open for the publication of wants of all kinds relating to construction work, machinery, materials and supplies.*

### Machinery and Supplies

**Asbestos Products Machinery, etc.**—J. H. Patten, Pickens, S. C.—Has large mine of amphibole asbestos and wants prices and data on machinery, including crushers and pulverizers, to manufacture sheet asbestos, asbestos shingles and sheet packing.

**Cone Winder Spindles.**—Houston Cotton Mills Co., 8100 Washington Ave., Houston, Tex.—Wants about 200 Foster or similar make cone winder spindles to wind 8-in.x8-in. tube for carpet warp trade; used machines if in good condition.

**Cypress Tanks.**—Alex M. Robinson, Georgetown, Ky.—Wants prices and data on 15 double end cypress tanks to be 14 ft. diameter by 15 ft. high and staves 2 1/2 in. thick; also 12 open top cypress tanks, to be 14 ft. diameter by 24 ft. high, staves to be 2 3/4 in. thick.

**Electrical Appliances.**—C. B. Warner, Yergers Bldg., Biloxi, Miss.—Wants to purchase parts for manufacturing electrical device to include metal wall box, such as used with telephones, small rectifier and transformer capable of converting house A.C. into D.C., theostat which will gradually turn on current ranging from 6 to 12 volts and connecting cord with hand electrode.

**Overall Manufacturing Machinery.**—Romine & Evans, Box 218, Florence, Ala.—Wants prices and data on power machinery for making overalls.

**Plate Rolls.**—W. M. Smith & Co. (Mchy. Dealer), Birmingham, Ala.—Wants prices and data on set of 8 ft. to 12 ft. plate rolls and set of 16 ft. to 20 ft. plate rolls.

**Paper Clip Machinery.**—Reams & Co., C. S. Reams, Pres., 620 Main St., Lynchburg, Va.—Wants prices and data on machines for manufacturing paper clips.

**Reservoir.**—City of Seminole, Okla., Pal Noe, Clk., Box 925—Wants steel tank reservoir, 250,000 to 300,000 gal. capacity, to be erected on tower or base.

**Slip Ring Motors.**—Electrical Equipment Co., 408-410 W. Davis St., Raleigh, N. C.—Wants 2 General Electric Co. 75 h.p., 900 RPM, 3 phase, 60 cycle, 2200 V. or 550 V. slip ring motors, complete with control; and

1 General Electric Co. 100 h. p. 900 RPM, 3 phase, 60 cycle, 550 V. slip ring motor complete with control.

**Storage Tanks.**—Fuel Economy Co., Inc., C. H. Jones, Sec., Richmond, Va.—Wants prices and data on storage tanks, either welded or riveted for storage tank heaters.

**Tractor and Stump Pullers.**—National Tung Oil Corp., T. C. McEachin, V-Pres., Gainesville, Fla.—Wants small tractors and stump pullers for developing tung oil groves.

**Turbine Water Pump.**—Heater Well Drilling Co., 113 E. Martin St., Raleigh, N. C.—Wants prices and data on turbine water pump to operate on hydro-pneumatic water system using 1 1/2, 2 and 2 1/2 inch drop pipe.

**General Operators, Inc., 407 W. Vance St., Wilson, N. C.—Want prices and data on following:**

- (1) Boilers
- (2) Coal and Wood Yard Equipment
- (3) Laundry and Dry Cleaning Machinery—new or factory rebuilt.

(4) Oil and Gasoline Distributing Equipment. W. M. Smith & Co., (Mchy. Dealer) Birmingham, Ala.—Wants prices and data on following:

- (1) Back Filler
- (2) Electric Crane (Overhead)—3 motor, 40 ft. to 70 ft. span; 5 or 10 ton; prefer used equipment.

Southwestern Foundation Co., Inc., J. H. Murphy, Mgr., 1205 Republic Natl. Bank Bldg., Dallas, Tex.—Wants prices and data on following:

- (1) Hoisting Engines—3 used, 8 1/2 x 10 double drum with 30 or 35 h.p. boilers; prefer American, Lidgerwood, or Lambert hoists
- (2) Vulcan Steam Hammers—3 used, McDermid base.

Wofford Syrup Co., Inc., Jesse A. Bryan, Sec., P. O. Box 4156, Houston, Tex.—Wants prices and data on following for syrup canning plant:

- (1) Boiler—60 h.p.
- (2) Electric Motors
- (3) Filling Machine
- (4) Pipe.

### Miscellaneous.

**Cartons.**—W. A. Ragland, Mena, Ark.—Wants prices and data on corrugated cartons for sending out medicine by mail, about 5 1/2 in. long by about 2 1/2 in. square.

**Copper Kettles.**—Wofford Syrup Co., Inc., Jesse A. Bryan, Sec., P. O. Box 4156, Houston, Tex.—Wants prices and data on copper kettles for syrup canning plant.

**Furniture.**—W. D. Hopper, Mr., Colburn Paint Store, Gainesville, Fla.—Wants prices and data on unfinished cheap or medium priced line of furniture.

**Oil Cans.**—Masonic Home for Aged, St. Petersburg, Fla., Leroy Brandon, Executive Chmn., Clearwater, Fla.—Wants prices and data on oval oil cans or ollers used for lubricating small machines.

### Building Material and Equipment

H. B. Pilchard, Contr., Pocomoke City, Md.—Wants prices on following for \$30,000 dormitory, Washington College, Chestertown, Md.:

**Painting**  
**Water Proofing**  
**Sanding**—hardwood floors.

Voelcker & Dixon, Archts., Wichita Falls, Tex., want prices on following for \$150,000 courthouse, Paducah, Tex.:

**Electric Refrigerators**  
**Elevators**  
**Flooring**—terrazzo, tile  
**Inclinator**  
**Limestone**  
**Marble**  
**Metal Doors**  
**Roofing (flat)**—built-up  
**Steel Sash and Trim**  
**Tile-holders, interior.**

Frederick E. Beall, Archt., 306 St. Paul St., Baltimore, Md., wants prices on following for \$25,000 warehouse for Chas. E. Lit-zinger, 3678 Falls Road:

**Elevators**—electric, 4000 lb. capacity  
**Roofing (flat)**—built-up  
**Steel Sash and Trim.**

Birch D. Easterwood, Archt., Liberty Bk. Bldg., Waco, Tex., wants prices on following for \$350,000 dormitory, Baylor University:

**Dumb Waiter**  
**Elevator**—passenger  
**Flooring**—hardwood, tile  
**Inclinator**  
**Limestone**  
**Marble**—interior  
**Roofing**—built-up (tar and gravel), slate.

W. L. Coston, Contr., Bessemer, Ala., wants prices on following for \$100,000 church:

Flooring—terrazzo  
Limestone  
Metal Doors  
Roofing—tile.

Carvel & Co., Archts.-Contrs., Milam Bldg., San Antonio, Tex., want prices on following for \$75,000 apartment for C. A. Walker:

Cast Stone  
Electric Refrigerators  
Flooring—hardwood, tile  
Plaster Board  
Roofing—tile

Kelwood Company, Archt., Travis Bldg., San Antonio, Tex., wants prices on following for \$40,000, 3-story store for Jorrie Furniture Co.:

Cast Stone  
Flooring—hardwood, tile  
Metal Doors  
Roofing (flat)—built-up  
Tile—hollow, interior  
Ventilators.

C. S. Lawrence, Winston-Salem, N. C., wants prices on following for \$30,000 residence:

Electric Refrigerators  
Flooring—hardwood, linoleum, tile, composition  
Roofing—slate, tile  
Steel Sash and Trim  
Tile  
Brass and Bronze Work.

Paul W. Bergmann, Inc., Contr., Sarasota, Fla., wants prices on following for \$80,000 dwelling:

Roofting—Cuban tile

Fredk. G. Seelman, Archt., 11 Phipps Plaza, Palm Beach, Fla., wants prices on following:

Cast Stone  
Flooring—hardwood, tile  
Roofing—asphalt shingle  
Steel Sash.

Mr. Kleinster, Mayor, Picher, Okla., wants prices on following for church:

Stone  
Tile—hollow.

Hassel T. Hicks, Archt., Welch, W. Va., wants prices on following for \$125,000 hospital, Eckman, W. Va.:

Dumb Walters  
Electric Refrigerators  
Elevators  
Flooring—linoleum, terrazzo  
Incinerator  
Roofing—built-up  
Tile—gypsum  
Ventilators.

Harden Green, Menard, Tex., wants prices Georgia Conference Assn., S. D. A., 547 Cherokee Drive, S. E., Atlanta, Ga., wants prices on following for \$15,000 church:

Cast Stone  
Metal Ceilings  
Plaster Board  
Rolling Partitions.

W. B. Ittner, Inc., Archt., Bd. of Education Bldg., St. Louis, Mo., wants prices on following for \$50,000 Sunday school; Webster Groves, Mo.:

Flooring—hardwood, tile  
Limestone  
Metal Doors  
Plaster Board  
Roofing (flat)—asbestos shingle.

on following for 17-room hotel, addition:

Brass and Bronze Work  
Cast stone  
Flooring—hardwood, terrazzo, tile  
Marble  
Roofing (flat)—built-up  
Tile—hollow  
Wire Glass

Jas. Ruskin Bailey, Public Natl. Bk. Bldg., Houston, Tex., wants prices on following for \$275,000 church:

Cast Stone  
Electric Refrigerators  
Elevators  
Flooring—composition  
Marble  
Metal Doors  
Roofing—built-up  
Steel Sash and Trim  
Tile—hollow  
Wire Glass

Brass and Bronze Work.

Paul G. Silber & Co., Archts., Bedell Bldg., San Antonio, Tex., want prices on following for \$130,000, 3-story hotel, Lampasas, Tex.:

Dumb Walters  
Electric Refrigerators  
Elevators  
Flooring—terrazzo, tile  
Incinerator  
Limestone  
Metal Doors  
Roofing—built-up, tile  
Steel Sash and Trim  
Tile—hollow  
Ventilators

## Bids Asked

**Bench Lathes.**—Bureau of Supplies & Accounts, Navy Dept., Washington, D. C.—Bids July 2 for bench lathes.

**Bridge.**—Clarksburg, W. Va. See Construction News—Roads, Streets, Paving.

**Bridge.**—San Antonio, Tex. See Construction News—Bridges, Culverts, Viaducts.

**Bridge.**—Vicksburg, Miss. See Construction News—Bridges, Culverts, Viaducts.

**Clamps, Cutters, etc.**—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Bids July 9 for clamps, emerywheel and glass cutters, tool holders, punches, sockets, nail sets and spikes.

**Coin Mailing Cards.**—Masonic Home for Aged, St. Petersburg, Fla., Leroy Brandon, Executive Chmn., Clearwater, Fla.—Wants prices and data on coin mailing cards.

**Dikes.**—War Dept., U. S. Engr., Memphis, Tenn.—Bids July 5 for constructing dikes in Mississippi River in vicinity of Morgan Point, Ark. See Construction News Columns—Miscellaneous Construction.

**Dikes and Revetment.**—War Dept., U. S. Kansas City, Mo.—Bids July 20 for constructing standard pile dikes and standard revetment in Missouri River at Delaware Bend. See Construction News Columns—Miscellaneous Construction.

**Dikes.**—U. S. Engr. Office, Kansas City, Mo.—Bids July 13 for constructing clump dikes, Missouri River at Kenmoor bend, about 6.1 miles from South St. Joseph, Mo. See Construction News Columns—Miscellaneous Construction.

**Dikes.**—U. S. Engr. Office, Kansas City, Mo.—Bids July 11 for standard pile clump dikes in Missouri River at Contrary Bend, about 3 miles from South St. Joseph. See Construction News Columns—Miscellaneous Construction.

**Drill, Clippers, etc.**—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Bids July 2 for ratchet braces and drills; bolt clippers; breast and hollow handle drills.

**Earthen Dam.**—City of Augusta, Ga., W. H. Wise, City Engr. and Commr. Public Works.—Bids July 5 for constructing earthen dam for storage reservoir below Turknott Springs, 30,000 cu. yds. of fill; 60 cu. yds. conc. spillway; 100 ft. of 26-in. rein. conc. pipe; gate and rigging for same; 15,000 B. B. sheet piling.

**Engineering Equipment.**—Mississippi State Building Comsn., W. C. Trotter, Sec., New State Capitol Bldg., Jackson, Miss.—Bids July 11 for engineering equipment at University of Mississippi, Oxford, Miss., as follows: One air starter for a 25 h.p. Diesel engine, one 22½ K. V. A. volt regulator, one 22½ K. V. A. transformer, one lot wire and laboratory supplies, 10 electric meters.

**Engines.**—U. S. Engr. Office, Galveston, Tex.—Bids July 15 for two 4-cycle and two 2-cycle mechanical injection engines.

**Gasoline.**—U. S. Property and Disbursing Officer, Little Rock, Ark.—Bids July 12 for 18,878 gals. gasoline, 1540 gals. motor oil, 500 lbs. lubricating grease, 220 gals. lubricating oil.

**Heating System.**—Bd. of Directors, North Carolina Sanatorium, Dr. T. M. Long, Chmn., Sanatorium, N. C.—Bids July 3 for new system of steam heating and hot water distributing mains, connections for central heating plant and conc. pipe tunnels and conduits; specifications, etc., from Wiley & Wilson, Conslt. Engrs., Lynchburg, Va.

**Hospital Equipment.**—Mississippi Building Comsn., W. C. Trotter, Sec., New State Capitol Bldg., Jackson, Miss.—Bids July 11 for following at State Sanatorium, Sanatorium, Miss.: Kitchen equipment, utensils, glassware, silverware, mechanical refrigeration, school equipment, playground equipment, opera chairs, stage equipment, motion picture machine, library equipment, lockers, bed mattresses, chairs, dressers, rug, linen, window shades, electrical ranges, clinical equipment.

**Leather.**—Pur. Agt., Government Printing Office, Washington, D. C.—Bids July 22 for 3500 ft. highest quality durable red cowhide bookbinding leather and 2000 ft. black cowhide leather.

**Levee.**—War Dept., U. S. Engr. Office, 1006 McCall Bldg., Memphis, Tenn.—Bids July 16 for 3,345,000 cu. yd. of earthwork in Upper Yazoo Levee Dist. and White River Levee Dist. See Construction News Columns—Miscellaneous Construction.

**Levee.**—U. S. Engr. Office, P. O. Box 667, Vicksburg, Miss.—Bids July 22 for levee work in Mississippi River, Coahoma-Boliver

county line to Ashbrook Dike. See Construction News Columns—Miscellaneous Construction.

**Levee.**—War Dept., W. H. Holcombe, Major, Corps of Engrs., Dist. Engr., New Orleans, La.—Bids July 13 for protection levees in St. Landry Parish. See Construction News Columns—Miscellaneous Construction.

**Levee.**—War Dept., W. H. Holcombe, Major, Corps of Engrs., Dist. Engr., New Orleans, La.—Bids July 10 for protection levee in Avoyelles Parish. See Construction News Columns—Miscellaneous Construction.

**Paving.**—Knoxville, Tenn. See Construction News—Roads, Streets, Paving.

**Pumping Equipment.**—Bd. of Awards, Baltimore, Md.—Bids July 2 for furnishing and installing station equipment at Vernon pumping station; E. G. Rost, Water Engr.

**Revetment.**—War Dept., U. S. Engr. Office, Kansas City, Mo.—Bids July 17 for constructing about 20,350 linear ft. of standard revetment. See Construction News Columns—Miscellaneous Construction.

**Road.**—Wichita Falls, Tex. See Construction News—Roads, Streets, Paving.

**Roads.**—Clarksburg, W. Va. Bids for 21 roads. See Construction News—Roads, Streets, Paving.

**Roads.**—State of Maryland. Bids for 6 roads. See Construction News—Roads, Streets, Paving.

**Roads.**—Sardis, Miss. Bids for 3 roads. See Construction News—Roads, Streets, Paving.

**Roofing Material, etc.**—Panama Canal, Gen. Pur. Office, Washington, D. C.—Bids July 18 for corrugated asbestos-cement composition or protected metal roofing material and laying accessories and skylights.

**Saws, Blades, etc.**—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Bids July 9 for band, hand and circular saws; meatsaw blades; hacksaw frames and miter boxes.

**School Furniture and Equipment.**—Mississippi Building Comsn., W. C. Trotter, Sec., New State Capitol Bldg., Jackson, Miss.—Bids July 11 for following: University of Mississippi, Oxford—repair work for Taylor Hall, equipment for physics and astronomy laboratories, 6 in. water line from well to reservoir, equipment for dormitories, field house, gymnasium and cafeteria; furniture and equipment for following—Mississippi State College for Women, Columbus; A. & M. College, Alcorn; Delta State Teachers College, Cleveland; State Colony for Feeble-minded, Ellisville; State Teachers College, Hattiesburg; State Industria and Training School, Columbia.

**Sewers.**—City of Augusta, Ga., W. H. Wise, Engr.—Bids July 5 for extending Hickory St. ditch sewer from Twiggs St. to Georgia-Florida right-of-way; 500 ft. of 60-in. 2 ring hard burned brick or rein. conc. pipe sewer.

**Skiff Bottoms.**—War Dept., U. S. Engr. Office, Huntington, V. Va.—Bids July 1 for skiff bottoms.

**Street.**—Marks, Miss. See Construction News—Roads, Streets, Paving.

**Street.**—Roxboro, N. C. See Construction News—Roads, Streets, Paving.

**Street.**—San Antonio, Tex. See Construction News—Roads, Streets, Paving.

**Streets.**—Kosciusko, Miss. See Construction News—Roads, Streets, Paving.

**Street.**—Dalton, Ga. See Construction News—Roads, Streets, Paving.

**Thread Milling Machine.**—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Bids July 2 for thread milling machine.

**Viaduct.**—Independence, Mo. See Construction News—Bridges, Culverts, Viaducts.

**Water Supply.**—Bd. of Commrs., St. Petersburg, Fla.—Bids Aug 1 for furnishing water to city for 30 yrs. by delivery under pressure sufficient to deliver and fill city's elevated tanks, or into a surface storage reservoir to be constructed by bidder at or near city; necessary pipe line and pumps to deliver water to pumping plant of city from source capable of producing not less than 20,000,000 gals. water per day, to be conveyed through pipe line, to have a maximum capacity of 20,000,000 gals.; bidder to specify size and type of pipe, number of valves, etc.; water to be non-corrosive, treated and sterilized to meet requirements of Florida State Bd. of Health.

**Wire.**—U. S. Engineers Office, Vicksburg, Miss.—Bids July 2 for 173,000 lbs. steel wire.



## INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers, whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

### Ryerson & Son Appointments.

Increase in the number of plants and departments and growing diversity of products and markets have made it desirable to add to the executive staff, according to Edward L. Ryerson, Jr., president of Joseph T. Ryerson & Son, Inc., Chicago, Ill., iron, steel and machinery. A. M. Mueller becomes assistant secretary and member of the board of directors and H. B. Ressler succeeds him as general manager of sales. Robert C. Ross becomes assistant to the president in charge of plant operations. William H. Bryant becomes Chicago sales manager in charge of country and city store sales. Guy H. Rumpf succeeds Mr. Ressler as manager of the St. Louis plant and Harry W. Treleven is elected assistant treasurer and will continue to be responsible for office management.

### Oxwelding Aluminum Castings.

In welding aluminum castings, the Linde Products Company, New York, says that experienced aluminum welders frequently dispense with the usual preheating furnace and handle even complicated jobs entirely with local preheating, using an oil burner for the purpose. In recent work on an aluminum casting 56 inches in diameter and  $\frac{3}{4}$  inch thick, the lid of a rotary bottling machine cracked from one edge about 20 inches toward the center, and it was found that preheating the entire casting in a furnace was unnecessary, although it was desirable to heat it locally along the crack, just ahead of the welding flame, so the welding heat would not bring on too sudden a rise in temperature and cause further cracking.

### Agent for South America.

To manufacturers or other business concerns which may be interested in developing sales in Brazil, Uruguay, Argentine, Chile and Peru, without establishing their own sales forces, W. M. Sinclair, 95 Madison avenue, New York, offers his services and business facilities. Mr. Sinclair at present represents several nationally known manufacturers and serves them in the development of their business in those countries, and is prepared to handle other business also. Products should not be of a highly technical character, which require a technical education to sell them best, but more in line of general merchandise which requires a general knowledge of the conduct of business in those countries and a good entree to United States merchants.

### Great Trust Company's History.

In a brief history of the development and experience of the Farmers' Loan and Trust Company, the National City Bank of New York, with which the trust company is to be affiliated, tells of 107 years of trust experience. The Farmers' Loan and Trust Company is said to be the oldest trust company in the United States and possibly in the world, having been established in 1822, "when pigs roamed unmolested up and down Wall Street." The history of the company is as interesting, in its way, as its achievements have been of national and world-wide importance.

### Expedites Subway Work.

To expedite their work on the New York subways, Lyons & Slatery, Inc., contractors, have installed three 160-horsepower CP Diesel engines, direct connected to CP vertical air compressor, the equipment obtained from the Chicago Pneumatic Tool Company, Chicago Pneumatic Building, New York City. The use of this equipment is said to tone down greatly the customary annoying noise and to reduce smoke to a minimum, making the work unobjectionable to neighboring apartment house and other residents. Also, it is recorded that the use of these engines effects great saving in power cost, as compared with purchased electric power.

### Three Incinerators for Chattanooga.

Chattanooga, Tenn., recently awarded contract at \$112,616 to the Nye Odorless Incinerator Corp., Macon, Ga., to build two new garbage incinerator plants, each with a capacity of 30 tons in 10 hours, and to remodel an existing incinerator and equip it with a new furnace for a capacity of 60 tons in 10 hours. In the award of this contract the city followed the modern practice of providing three medium sized plants in different sections of the city instead of building a large plant in one location, thus putting itself in position to save a considerable amount of hauling expense over a period of years.

### New Battery Tester.

A portable battery tester which will not only determine the condition of a battery under operating conditions, but will also locate any trouble in the low tension electrical system of the car, is now being manufactured by the General Electric Company, merchandise department, Bridgeport, Conn. Tests performed by the Tungar battery tester include: Cadmium test, starter circuit test, starter motor test, ammeter check, lighting circuit test, horn test, generator current output check, generator voltage check, generator field test and generator armature test.

### To Sell Wide Variety Equipment and Materials.

The Industrial Plants Corp., 25 Church street, New York City, in an advertisement in this issue announces the complete liquidation of the Standard Soapstone Corp., and offers for sale as a whole or in separate lots the buildings, machinery and materials. Included in the sale are mill machinery, locomotives and rails, quarry equipment, power plant units, portable steel buildings, machine tools, contractors' equipment, furniture and household equipment.

### Making Old Homes Into New Ones.

The National Lumber Manufacturers Association, Washington, D. C., is distributing a book of suggestions for remodeling old homes. Its title—"Transformation—From an Old House to a New Home"—is itself suggestive of the possibilities for recreating typical old homes. Eight old houses are illustrated, each a type popular 35 or 40 years ago, with an architect's sketch of possible modernization, the work in progress and the finished building.

## Trade Literature

**Pavers.**—The MultiFoote paver of the Foote Company, Inc., Nunda, N. Y., is described in great detail, in word and picture, in a comprehensive catalog issued by the concern. Detailed specifications are given, telling of equipment, weights, mixing drum, water tank, and so on.

**Steel.**—Details of the transformation of the ingot into the finished steel product, "each process controlled by Harrisburg," are given in an interesting booklet issued by the Harrisburg Pipe and Pipe Bending Company, Harrisburg, Pa. Digests, specifications and other information on seamless steel cylinders, forged seamless steel couplings, coils and bends, drop forgings and other products are presented.

**Carborundum.**—Developed through scientific research, Carborundum brand finishing compounds are described in a booklet issued by the Carborundum Company, Niagara Falls, N. Y. Two kinds of abrasives are used in preparation of the compounds, accurately graded to size, and in the minute powers the grade classification is carried out under microscopic control. The Carborundum brand finishing compounds are made in 22 different grades.

**Abrasives.**—The coated abrasive price book of the Behr-Manning Corporation, Troy, N. Y., says that the tables of sizes and varieties of coated abrasive products shown conform with simplified practice recommendation No. 89, as formulated by a general conference of manufacturers, distributors and users. Among the products covered are Adalox paper, Adamite cloth, belts, emery cloth, Empire flint paper, finishing cloth, snuffing paper, pouncing paper, Troy flint paper and many others.

**Foundry Products.**—Novel and attractive cards are used by the Pyott Foundry Company, Chicago, Ill., to call attention to its products and their advantages and quality. One card states that "you pay no more for Pyott certified V-belt sheaves or other piece of Pyott transmission equipment than for inferior products without a guarantee," and another shows the cupola process. "Certified Accuracy" is the title of third card, and the entire series will be found of interest.

**Metal Layer.**—As a "putting-on tool" for building metal surfaces or preventing corrosion, MetaLayer is described in a circular issued by the Metals Coating Company of America, Philadelphia, Pa. MetaLayer is said simultaneously to melt, atomize and apply a coating of molten metal of any desired thickness; any of the commercial metals may be thus applied and objects coated may be metallic or non-metallic. Illustrations and detailed information are given in the circular.

**Piercing Tip.**—As described in a leaflet, the Milburn rivet piercing tip of the Alexander Milburn Company, Baltimore, introduces a new method of consuming the head and the body of the rivet by centering the tip over the rivet head and preheating the head to a melting point. Simultaneously with the cutting oxygen jet the body of the rivet is pierced and due to expansion or contraction of the plate the rivet drops out or is backed out with a slight effort. Bulletin 271-5M describes it.

## 125-MILE GAS LINE CONTRACT

### United Gas Company to Build Line From Texas Field to Monterey, Mexico

The United Gas Company, Houston, Tex., has awarded contract to Smith Brothers Construction Co., Dallas, for laying a gas trunk line from Jennings Field in Zapata County, Texas, to Monterey, Mex., the line to cross the Rio Grande River at Roma, Tex., and proceed from that point in practically a straight line to Monterey, one of the most important industrial centers in northern Mexico. It will approximate 125 miles and will be of 12 $\frac{3}{4}$ -inch pipe, for which an order has been placed with the Youngstown (Ohio) Sheet & Tube Co. Rights-of-way have been secured for the entire line and much of the Mexican territory has been cleared for pipe-laying machines. The United Gas Co., has organized Cia. Mexicana de Gas, S. A., as an operating subsidiary, in conformity with the requirements of Mexican law. The parent company will operate as a transporting company, selling Texas gas to the local distributing company at Monterey for domestic and industrial consumption. This is said to be the first instance of an American gas company contracting to enter the Mexican republic. The United Gas Co. is under the management of the Moody-Seagraves Corp., Houston.

On the occasion of the first year's anniversary of the United Gas Company, which has just occurred, O. R. Seagraves, president, sent a letter to stockholders of the company describing the organization's activities during the twelve-month period. He reviewed the expansion activities of the company, which produces, transports and distributes natural gas over a range of territory extending from the Monroe and Richland gas fields in Louisiana to the Laredo fields in southwest Texas, supplying more than 900,000 people. The major centers where gas is distributed to subsidiary companies are Houston, San Antonio, Austin, Port Arthur, Beaumont, Laredo and Palestine. Through its investments in the Mississippi River Fuel Corporation, Consolidated Gas Utilities and Natural Gas Securities Corporation the limits of the company's territory extend to such centers as St. Louis and Wichita, Kansas, on the north and El Paso, Texas, on the west. Upon completion of projects now under way the United Gas Company will have a direct interest in gas lines totaling more than 4600 miles.

Two of the controlled companies, Houston Gulf Gas Company and Mission Drilling Company, are producing oil in the Refugio field in South Texas. Another controlled company, the Duval Texas

Sulphur Company, is mining sulphur in the Palangana sector of Duval county, in southwest Texas.

### \$1,500,000 Office Building

Construction is nearing completion at Winston-Salem, N. C., on the new office building being erected by the R. J. Reynolds Tobacco Co., at a cost of approximately \$1,500,000. The building occupies a site at the corner of Main and Fourth streets, 120 by 200 feet, the base being 9 stories with a tower of 21 stories rising to a height of 306 feet. It is said to be the tallest building in North Carolina. The main entrance is on Main street and leads directly to six high speed elevators.



Reynolds Building, Winston-Salem

three to be used exclusively by the Reynolds company. A continuation of the entrance hall connects with an entrance way giving access to Fourth street and a large garage just beyond the property line. The remainder of the ground floor will be used for shops, while the Church street end of the structure, facing the Reynolds tobacco factory, will be used for the Employment Department and the Medical Division, and will also contain a truck entrance to the freight elevator.

The seventh, eighth and ninth floors will be used by the Reynolds Company as general offices; the tenth floor, which is the first of the tower floors, for a cafeteria; the seventeenth and eighteenth floors for private offices and the nineteenth floor for the company's Board room. The remainder of the building will be leased until such time as the Reynolds company is prepared to occupy it.

The exterior of the structure was designed with large windows and construction has been carried out in stone with bronze show windows and entrances. Entrance corridors are of marble and elevator doors of bronze, while on

upper floors the elevator halls are of marble with terrazzo floors and the corridors in marble wainscot. Ceilings on the office floors are unusually high and well lighted and the rooms exceptionally well ventilated. Shreve & Lamb, New York, are the architects.

### Ship Florida Grown Pineapples

West Palm Beach, Fla.—More than 150 cases of pineapples, grown in Palm Beach County, were recently shipped to Boston from Port of Palm Beach, on the Merchants and Miners steamer Upshur. According to R. T. Merrill, line agent here, county growers are able to place pineapples on the market in Philadelphia, Baltimore, New York and Boston in competition with the West Indian producers, through low water rates. Years ago, it was said, along the lower East Coast from Fort Pierce to Miami, the pineapple was one of the section's chief products. With development of West Indian fields, however, Florida growers were unable to compete in northern markets, shipping by rail, against water rates.

This year the pineapple as a product takes on added value to the Florida grower, Mr. Merrill pointed out, because it is not affected by the Mediterranean fly pest.

### \$1,000,000 Office Building

Louisville, Ky.—General contract for erecting a \$1,000,000 office building here for the Louisville & Nashville Railroad Co., W. H. Courtenay, chief engineer, has been awarded to the United Engineers & Constructors, Inc., Philadelphia and New York. The structure will be 11 stories and basement, with a 167-foot frontage. The first two stories will be faced with stone, above which face brick will be used with stone or terra cotta trim. The frame will be of steel and floor joists of reinforced concrete, while the offices will have hardwood floors and corridors marble or tile floors. Two electric elevators will be installed, a direct lighting system and vapor or low pressure steam heat. J. C. Haly, of Mr. Courtenay's office, is the architect.

### \$1,000,000 Theater Contract

Oklahoma City, Okla.—General contract has been awarded to Reinhart & Donovan, local contractors, to erect a \$1,000,000 theater here for the Mid-West Enterprises, Inc., John Sinopoulo, president. The building will be 10 stories, the first two floors to be devoted to the theater and the remaining floors to offices. John Ebersson, Chicago, is the architect.



# Leaning on the Lever

## The old Lifting principle as applied by Modern Management

The most interesting fact about Modern Management is that its logic is as old and as so as the hills.

With Archimedes, 2000 years ago, it says, today, "Give me a place to stand and the right *levers*, and I will move the world."

With vision, based on dependable facts and figures, Modern Management makes for itself the "place to stand." And it *leans on its levers*. With sound Organization, Research, Budget Control, System, Order, it lifts with ease and precision its ever increasing load of greater and greater accomplishment.

To assist Management in the right selection of these most effective tools of business is the service of Modern Accountancy. It contributes the resources of specialized knowledge and experience to developing the lifting, saving, economic practice of "*leaning on the lever*."

# ERNST & ERNST

ACCOUNTANTS AND AUDITORS  
SYSTEM SERVICE

NEW YORK  
PHILADELPHIA  
BOSTON  
PROVIDENCE  
BALTIMORE  
RICHMOND  
WINSTON-SALEM  
WASHINGTON  
BUFFALO  
ROCHESTER

PITTSBURGH  
WHEELING  
ERIE  
ATLANTA  
MIAMI  
TAMPA  
CINCINNATI  
DAYTON  
LOUISVILLE  
HUNTINGTON

CLEVELAND  
AKRON  
CANTON  
COLUMBUS  
YOUNGSTOWN  
TOLEDO  
ST. LOUIS  
MEMPHIS  
KANSAS CITY  
OMAHA  
DENVER

CHICAGO  
MILWAUKEE  
MINNEAPOLIS  
ST. PAUL  
INDIANAPOLIS  
FORT WAYNE  
DAVENPORT  
DETROIT  
GRAND RAPIDS  
KALAMAZOO

NEW ORLEANS  
JACKSON  
DALLAS  
FORT WORTH  
HOUSTON  
SAN ANTONIO  
WACO  
SAN FRANCISCO  
LOS ANGELES  
SEATTLE

# FINANCIAL NEWS

## Bond Issues Proposed

Ala., Birmingham—City, C. E. Armstrong, City Comptroller, receives bids July 16 for \$280,000, 4 to 5½%, \$1,000 denom. improvement bonds.

Ala., Dothan—Sewer—City votes in July on \$30,000 bonds.

Ark., Forrest City—City Hall—City votes Aug. 14 on bonds, probably \$45,000.

Ark., Little Rock—City, Pat L. Robinson, Mayor, considering bond issue, including \$300,000, fire equipment; \$200,000, municipal improvements; \$125,000, street widening; \$100,000, street cleaning and garbage equipment; probably \$1,300,000, civic center, and municipal auditorium; Grady H. Forgy, Sec. 6-13

Ark., Little Rock—County Jail—Pulaski County votes July 8 on \$175,000 bonds; W. F. Sibeck, County Judge. 6-13

Ark., Rogers—Road—City voted \$10,000 bonds to purchase right of way on new routing U. S. Highway No. 71, through Rogers.

Fla., Clearwater—Pinellas County, Road and Bridge Dist. No. 4, votes Aug. 3 on \$75,000 bonds.

Fla., Daytona Beach—City Comm., authorized issuance of \$120,000 time warrants for sewer, water, Burgoyne Isle improvements, etc.; \$28,000 assessment bonds, for paving; Earl Wheeler, City Mgr.

Fla., DeLand—Volusia County Bd. of Public Instruction receives bids July 11 for \$86,000 \$1000 denom. bonds; \$59,000, Special Tax School Dist. No. 8; \$27,000, Special Tax School Dist. No. 38.

Fla., Inverness—Refunding—Citrus County Commrs., Claude Connor, Clk., receives bids July 1 for \$20,000, 6%, \$1,000 denom. bonds.

Fla., Miami Beach—City, C. W. Tomlinson, Clk., voted \$300,000 bonds for public improvements.

Ga., Clarkesville—Clarkesville School Dist. votes July 2 on \$24,000 6% bonds.

Ga., Toccoa—Street—City votes July 3 on \$15,000, 5% bonds.

Ky., Louisville—School—Bd. of Education, Edward Gottschalk, Pres., considering \$5,000,000 bond election in Nov.; Samuel D. Jones, Bus. Mgr. 6-20

Ky., Owensboro—Sewer—City, E. J. Rhodes, Clk., receives bids July 5 for \$1,200,000, 5%, \$1,000, bonds, J. R. Beck, Mayor.

La., Arcadia—Blenville Parish School Bd., E. H. Fisher, Sec., receives bids July 2 for \$10,000 Jamestown School Dist. 6 bonds.

La., Breaux Bridge—Conlee Nicholas Gravity Drainage Dist. No. 5 receives bids July 16 for \$55,000 bonds.

La., Lafayette—Airport—City may receive bids in July for \$25,000 bonds. 5-16

La., Marrero — Water—Jefferson Parish, Water Works Dist. No. 2, A. J. Grefer, Sec., receives bids July 17 for \$350,000, \$1,000 denom. not to exceed 5½% bonds. 4-25

La., Natchitoches—Airport—City votes Aug. 20 on \$35,000 bonds.

La., New Orleans — Paving — City, T. S. Walmsley, Commr. of Public Finance, receives bids July 8 for \$2,000,000 5% certificates.

La., Franklinton — Franklinton Consolidated School Dist., Washington Parish, votes July 23 on \$125,000 bonds; D. H. Stringfield, Sec., Parish School Bd. 5-30

La., Vinton — Calcasieu Parish Gravity Drainage Dist. No. 2, receives bids July 1 for \$40,000 drainage bonds; I. Amar, Pres. Bd. of Commrs.

Miss., Belzoni—Humphreys County Bd. of Supvrs., A. R. Hutchins, Clk., receives bids July 8 for \$85,000, 6% Belzoni Consolidated School Dist. bonds. 6-20

Miss., Centerville — Town, A. S. Archer, Clk., plans issuing, July 9, \$20,000 6% bonds to improve, repair and extend water works and electric light plant.

Miss., Indianola—School—City voted \$100,000 bonds. 5-30

Miss., Kosciusko — Attala County Bd. of Supvrs. receives bids July 1 for \$20,000, Sallis Consolidated School Dist. bonds; G. J. Thornton, Chancery Clk.

Miss., Long Beach—School—Town, Mayor and Bd. of Aldermen, plan issuing \$14,000 bonds; H. A. Genung, Mayor.

Miss., Natchez—Refunding—City, Lemuel P. Conner, Clk., receives bids July 9 for \$47,500 5½% bonds.

Miss., Pascagoula—Jackson County Bd. of Supvrs., Fred Taylor, Clk., receives bids July 15 for \$20,000, Orange Lake Consolidated School Dist. bonds. 6-13

Miss., Pelahatchie — City Hall, Jail—City voted \$10,000 bonds.

Miss., Tupelo—Lee County Bd. of Supvrs. receives bids July 4 for \$7500 6% Plantersville Consolidated School Dist. bonds.

Miss., Waveland—Town receives bids July 2 for \$12,500 bonds.

Mo., Billings—Water—City, Colmore Gray, Clk., defeated \$35,000 bond issue; Russell & Axon, Engrs., Springfield. 5-2

Mo., Fulton — School—Bd. of Education called election for July 2 on \$100,000 bonds.

Mo., Kirkwood—Fire Equipment—City, R. L. Jacobsmeier, Mayor, votes July 12 on \$50,000 bonds.

Mo., Vandalia—Sewer—City, Martin Barrow, Clk., plans selling \$29,000, 5%, \$1,000 denom. bonds.

N. C., Benson — Refunding — Town, Kate Johnson, Clk., receives bids June 29 for \$20,000 6% \$1000 denom. bonds.

N. C., Halifax—Refunding—Halifax County Commrs., W. T. Clement, Clk., receive bids July 8 for \$52,000, \$1,000 denom. not to exceed 6% bonds.

N. C., Raleigh—Wake County Commrs., Hunter Ellington, Clk., receive bids June 29 for \$228,000, 5%, \$1,000 denom. bonds; \$200,000 road funding; \$28,000, refunding.

N. C., Rockingham — Richmond County Commrs., L. D. Frutchey, Chmn., receives bids July 5 for \$35,000 \$1000 denom. not to exceed 6% Pee Dee School Dist. No. 1 bonds.

N. C., Raleigh—Street—City Commrs., J. E. Sawyer, City Clk., plans \$100,000 bond issue.

N. C., Wilmington—New Hanover County Commrs. considering \$200,000 bond issue; Bd. of Education deficit; \$112,000, teachers' salary note.

N. C., Winston-Salem — Forsyth County Drainage Dist. No. 2, A. E. Hire, Chmn. of Bd., receives bids July 1 for \$60,000 6% bonds.

Okla., Asher—Sewer—City plans bond election.

Okla., Atoka — City, P. P. Williamson, Mayor, voted \$30,000 bonds for water works, white way and fire equipment.

Okla., Clinton—City votes July 15 on \$690,000 bonds; \$600,000, waterworks; \$50,000, airport; \$25,000, city parks; \$15,000, fire fighting equipment.

Okla., Maud—City voted \$45,000 bonds; \$20,000, city hall; \$25,000, sewer extension.

Okla., Seminole—City, Pal Noe, Clk., votes July 16 on \$117,500 bonds; \$45,000, park and dam; \$30,000, airport; \$25,000, purchase city hall and remodel.

Okla., McAlester—City considering \$100,000 bond election to replace dam at No. 1 lake and improve No. 2 lake and McAlester lake.

S. C., Chesnee—Spartanburg County, E. L. Gossett, County Treas., Spartanburg, plans \$24,000 6% bond issue School Dis. No. 94.

S. C., Columbia—School—City votes \$500,000 bonds. 6-6

Tenn., Chattanooga — School—City votes Aug. 6 on \$531,000 bonds; E. D. Bass, Mayor. 5-16

Tenn., Jasper—Marion County, C. T. Williamson, County Judge, receives bids July 1 for \$150,000, not to exceed 5% road and school bonds. 6-20

Tenn., Murfreesboro—Refunding—City, W. M. Draper, Recorder, voted \$50,000 bonds.

Tenn., Murfreesboro—Water—City, W. M. Draper, City Recorder, voted \$250,000 bonds; will sell bonds about Oct. 1. 5-23

Tenn., South Pittsburg—City Comm. plans \$100,000 bond issue; \$10,000, fire fighting apparatus; \$30,000, indebtedness; \$60,000, street.

Tex., Anson—School—City votes soon on \$25,000 bonds.

Tex., Anahuac — Road—Chambers County, Precinct No. 3, considering voting on \$50,000 bonds.

Tex., Beaumont — Amelia Common School Dist., Jefferson County, voted \$16,000 bonds. 5-16

Tex., Beaumont—Jefferson County, B. B. Johnson, County Judge, voted \$198,000 bonds; \$162,000, bridge; \$36,000, spoil banks. 6-6

Tex., Canton—Road—Van Zandt County votes July 27 on \$1,500,000 bonds; \$701,000, indebtedness; \$299,000, lateral roads; \$500,000, state roads. 4-4

Tex., Calvert—Paving—City, G. W. Oderbottz, Sec., votes July 22 on \$65,000 bonds.

Tex., Columbus — City Hall — City votes July 6 on \$25,000 bonds.

Tex., Dallas—School Bd. considering selling \$500,000 Ulrickson program school bonds.

Tex., El Campo — Bd. of Trustees, El Campo Independent School Dist., A. J. Isaacson, Sec., rejected bids for \$45,000 5% coupon bonds. 6-13

Tex., Floydada—Floyd County School Districts voted \$50,200 bonds: Muncy Dist., \$4200; Sunset Dist., \$16,000; Goodnight Dist., \$10,000; Dougherty Dist., \$20,000.

Tex., Fort Worth — Directors of Tarrant County Water Improvement Dist. No. 1 rejected only bid for \$2,000,000 bonds for lake and bridge. 5-16

Tex., Franklin—Hospital—Robertson County, Joe Y. McNutt, County Judge, votes July 16 on \$90,000 bonds.

Tex., Jacksboro—School—City voted \$125,000 bonds. 5-30

Tex., Kerrville — Kerrville Independent School Dist. voted \$60,000, 5% bonds; John K. Ward, Pres. School Bd. 6-6

Tex., Laredo—School—City, Albert Martin, Mayor, voted \$225,000 bonds. 5-30

Tex., Lubbock—Lubbock School Bd. may call \$650,000 bond election. 6-6

Tex., Midlothian—Water, Sewers—City, E. Cowan, Sec., votes July 16 on \$65,000 bonds.

Tex., Naples—Water—City votes July 2 on \$35,000 5% bonds. 5-23

Tex., Richmond—Sewer—City voted \$50,000 bonds.

Tex., Sulphur Springs — Road — Hopkins County votes July 6 on \$1,750,000 bonds. 5-30

Miss., Tupelo—Lee County Bd. of Supvrs., T. A. Jenkins, Pres., receives bids July 1 for \$10,000, 6%, Shiloh Consolidated School Dist. bonds.

Tex., Tyler — School—City voted \$325,000 bonds. 5-30

Va., Hopewell—City, Roy S. Braden, Mgr., voted \$750,000 bonds for street, schools, sewerage. 5-30

Va., Richlands—Town, B. J. Cook, Mayor, receives bids July 1 for \$30,000, not to exceed 6% bonds.

Va., Richmond—City, Committee on Finance, Joseph C. Nunnally, Chmn., receives bids July 10 for \$2,550,000, 4½, \$1,000 denom. bonds; \$1,000,000, street paving; \$500,000, general improvement; \$400,000, school; \$400,000 sewer; \$150,000, gas works; \$100,000, waterworks; Landon B. Edwards, City Comptroller. 6-13

W. Va., Fairmont — Union Independent School Dist., Marion County, voted \$250,000, not to exceed 5% bonds; V. H. Cornwell, Sec. Bd. of Education. 6-6

W. Va., Huntington—Road—Cabell County, Grant Dist., R. S. Douthat, County Clk., plans receiving bids about July 31 for \$286,000, 5%, \$1,000 denom. bonds. Latley noted bids June 25. 6-13

## Bond Issues Sold

Ala., Selma—Public Improvement—City, R. M. Watters, Clk., sold \$69,000 6% \$1000 denom. bonds; \$15,000 to City National Bank, Selma, par and accrued interest; \$23,000, Ward, Sterne & Co., Birmingham, \$240 premium and accrued interest; \$31,000, Selma National Bank, \$235 premium and accrued interest; T. J. Rowell, Mayor.

Fla., Orlando—Paving—City, J. A. Stinson, Clk., sold \$136,000, 5% bonds to George Pierce, Jacksonville, at 96.89. 6-13

Md., Chestertown—Kent County Commrs., Samuel J. Johnson, Pres., sold \$1,000,000 4½% road bonds at 98.089 to National City Co., New York and Baltimore, Md. 5-30

Miss., Greenwood — Leflore County sold \$60,000, 5½% bonds; \$30,000, hospital, to Saunders & Thomas, Memphis, \$41 premium;

(Continued on page 102)





## AT YOUR SERVICE IN BALTIMORE



# MARYLAND TRUST COMPANY

Northwest Corner  
Calvert and Redwood Streets



MEMBER FEDERAL RESERVE SYSTEM

### Corporate Financing Arranged

#### Mergers and Reorganizations Effected

With connections seeking extensive outlets in constructive financing in the South, this announcement of facilities now available to Southern business houses embraces a most cordial invitation to investigate the solutions offered in response to capital needs. Capital furnished for both new and old enterprises.

#### WILLIAM AKERS

Long Distance Local Phone  
Walnut 3186

1314-15 Atlanta Trust Co. Bldg.  
ATLANTA, GEORGIA

### YOUR BUSINESS SOLICITED

Particular attention given to financing  
SOUTHERN PROPERTIES



Special Deposits  
Office Building Loans  
Trust Facilities  
High grade Bonds

### THE CENTURY TRUST COMPANY of Baltimore

Capital \$1,000,000

Surplus \$1,700,000

### THE ROBINSON - HUMPHREY COMPANY

MUNICIPAL AND CORPORATION BONDS

Established 1894

ATLANTA, GA.

We Underwrite MUNICIPAL BONDS in States of  
GEORGIA and SOUTH CAROLINA

Municipalities  
Corporations  
Railroads

## Financed

**MARX & CO.** BIRMINGHAM  
ALABAMA

### Bankers, Manufacturers, Merchants, of the South

When in Baltimore, drop in and see us.  
Maybe we can serve you in some way. The  
acquaintance may prove mutually helpful.

### BALTIMORE COMMERCIAL BANK

GWYNN CROWTHER, President

26 South Street, Baltimore, Md.

Capital and Surplus \$1,350,000

Member Federal Reserve System

**Taylor,  
Wilson  
& Co. Inc.**  
INVESTMENT SECURITIES

### WE BUY MUNICIPAL BONDS

Public officials are invited to avail  
themselves of our facilities for  
preparation of legal details.

Your inquiry receives prompt attention.  
701-2 Dixie Terminal Bldg. CINCINNATI

### JOHN NUVEEN & CO.

First National Bank Building

CHICAGO

We purchase SCHOOL, COUNTY and MUNICIPAL  
BONDS. Southern Municipal Bonds a Specialty.

Write us if you have bonds for sale.

### We Buy Bonds

City, County, School and Road from  
Municipalities and Contractors

WRITE

THE PROVIDENT SAVINGS BANK & TRUST CO.  
CINCINNATI OHIO

### HAVE YOU BONDS FOR SALE?

WE BUY ALL CLASSES OF MUNICIPAL BONDS,  
INCLUDING CITY, COUNTY, SCHOOL,  
PAVING, ROAD AND DRAINAGE

*The Hanchett Bond Co. Inc.*

39 SOUTH LA SALLE ST., CHICAGO

# FINANCIAL NEWS

(Continued from page 100)

\$30,000, school, to Mrs. Gussie Kanter, Greenwood, \$100 premium.

Miss., Pelahatchie—Town Hall, Jail—Town, J. L. Atkins, Clk., sold \$10,000, 6%, \$500 denom. bonds to E. N. Ross, Pelahatchie, par and accrued interest.

N. C., Hamlet—Refunding—Town, L. M. Query, Clk., sold \$75,000, 5½%, \$1,000 denom. bonds to Ryan, Sutherland & Co., Toledo, at \$75,339 and accrued interest. 6-13

N. C., Salisbury—Rowan County Comms. sold \$240,000 4½% bonds to Atlantic Bank & Trust Co., Salisbury, at par; \$210,000, school funding; \$30,000, county home. 6-6

Okla., Shamrock — Creek County Union Graded School Dist. No. 5 sold \$11,000 bonds to Piersol Bond Co., Oklahoma City, at par.

Tenn., Bristol—City, W. K. Carson, Treas., sold \$36,000 5% bonds to First National Bank, Bristol, \$50 premium; \$20,000, street; \$16,000 fire dept. 6-6

Tenn., Nashville—City, S. H. McKay, Clk., sold \$795,000 bonds to Eldredge & Co., New York City, \$300,000, 4½% at par; \$495,000, 4% at 100.127; \$175,000, water; \$250,000, lateral sanitary sewers; \$300,000, fire halls and equipment; \$50,000, light extension; \$20,000, sanitary equipment. 6-6

Tex., Kaufman — Road—Kaufman County Comms., J. E. Yates, Auditor, sold \$100,000, 5%, \$1,000 denom. bonds to American National Bank, par and accrued interest. 6-6

Tex., Sherman — Road — Grayson County Comms. Court, A. C. Sanders, County Auditor, reported, sold \$300,000, 4½% bonds to Merchants & Planters and Commercial National Bank, Sherman, par and accrued interest. 6-6

## Building and Loan Associations

Ky., Louisville — Southern Savings & Building Assn., capital \$2,500,000, chartered; William A. Reisert, J. D. Coleman, J. N. Jackson.

## New Financial Corporations

Ala., Valley Head—First National Bank of Valley Head, capital \$25,000, organized; E. N. Jones, correspondent.

La., Monroe—Industrial Loan Corp. of The South, capital \$1,000,000, chartered; Baxter S. Braswell, 308 Bernhardt Bldg.

La., New Orleans—Allied Mortgage Bond Co., Inc., capital \$100,000, chartered; J. W. McClain, 430 Whitney-Central Bldg.

Mo., Kansas City—F. H. Thwing Investment Co., capital \$100,000, chartered; F. H. Thwing, J. H. Wally, E. D. Ellison.

Mo., St. Louis—Organization of St. Louis Aviation Corporation, \$3,000,000 aviation investment trust, with headquarters in St. Louis, announced by group of bankers, comprising Knight, Dysart & Gamble; Oliver J. Anderson & Co., and Jas. C. Wilson of New York and Louisville; Harold M. Bixby, Fourth & Locust Sts., Pres. of Industrial Club of St. Louis, formerly V.-P. of State National Bank, to be president; Thomas N. Dysart, of Knight, Dysart & Gamble, Chmn. of Executive Committee; P. D. C. Ball, Pres. of Mahoney-Ryan Aircraft Co., until it was absorbed by Detroit Aviation Corp., Chmn. of Technical Committee; deal in aviation securities and aid in development of

commercial aviation; will have full access to research dept. of National Aviation Corp.; others on Board: Morgan Belmont, New York; Walter S. Marvin, Pres. of Curtiss Airports Corp.; Earle H. Reynolds, Pres. National Air Transport.

Tenn., Chattanooga—Investments & Securities, Inc., capital \$300,000, organized; E. L. Kenyon, Chattanooga Bk. Bldg., interested.

Tenn., Memphis—Wheatley National Bank of Memphis, capital \$200,000, organized; Dr. A. N. Kittrelle, correspondent, 169 Beale St.

Boatmen's National Bank, Julius W. Reinholdt, Pres., and Kauffman, Smith & Co. investment banking house, both St. Louis, Mo., merged; latter company, becoming investment division of bank, to be known as Boatmen's National Co.; Julius W. Reinholdt, Chmn. of Bd.; Tom K. Smith, Pres. of Bank; Harold M. Kauffman, Pres. of Boatmen's National Co.

Guaranty Savings & Loan Assn., Judge Charles B. Teasley, Pres., Montgomery, Ala., plans establishing branch office in Sheffield, Ala.

Colonial National Bank and Virginia National Bank, Hugh G. Whitehead, Pres., both Norfolk, Va., plan consolidating as Virginia National Bank, Main and Granby St., with \$750,000 capital.

People's State Bank, R. Goodwin Rhett, Jr., Pres., Charleston, S. C., plans establishing branch bank in Anderson, Marshall P. Orr, Executive V.-P.; branch in Seneca, W. Harry Cary, Columbia, in charge; branch at Abbeville, Harry Cary, in charge.

## Book Review

Common Legal Principles, by Francis W. Marshall. New York: Funk & Wagnalls Company. Cloth. Two volumes. Pp. 762. \$10.

These common legal principles, as given in the opinions of some of the greatest common law judges, "everyone should know," says the subtitle, and this is true and desirable. But even superficial knowledge for the layman seems out of the question when one reads that "during the past 20 years there have been nearly 1,000,000 bills introduced into our various law-making bodies," the American Bar Association Journal in 1926 having said that 954,625 separate and distinct bills were introduced into the various law-making bodies, "of which no less than 291,848 became laws." As a word of caution, moreover, Mr. Marshall warns the reader that "too great dependence should not be placed upon his idea, based on a mere reading of the principle, of what law is." There are many elements to be taken into consideration in the correct application of a principle of law, he explains, and says that the principles in his book "should be used as a mariner uses the light of a guiding beacon when navigating a dangerous channel," and, "while the principles may show much light upon a dangerous field, when much is at stake an experienced and well trained lawyer should be sought to guide the case." More and more, in these days of American and international "big business," it may be said that "the law" is becoming of more and more actual, concrete importance to business, and sound knowledge of "the law" on many lines is almost essential in business management. Of course, each great corporation has its legal staff and smaller business concerns have their lawyers to guide them; but business men themselves may well find Mr. Marshall's book of real help and value. The "principles" are treated simply and intelligibly, being set forth in the main in questions and answers; for example: "In what manner may a man use his real estate?" "Is a combination among men to regulate their business unlawful?" "Can part only of a contract made by an agent be ratified?" "Give an example of a short will." "What is a bill to quiet title?" These are simply a few questions picked at random. Brief, intelligible answers accompany all. Among the subjects covered are contracts, torts, criminal law, agency, wills, personal relations, property, equity, trusts, sales, negotiable instruments, partnership, corporation, evidence, bankruptcy, constitutional law, and so on. The layman will find the book of interest and value and business men in particular.

## American Bank Reporter.

Of actual value and real interest is the ninety-second annual issue of the American Bank Reporter for 1929, published by the Steurer Publishing Company, 420 East 149th street, New York. The issue contains a complete designation of the banks and trust companies of the United States, according to the numerical system of the American Bankers' Association, arranged in States and showing the names of presidents and other officials, and correspondents in New York, Philadelphia, Chicago and other large cities. Capital, loans, deposits and similar information are given and "a list of reliable attorneys" in the United States and Canada. Other features are foreign banks and bankers; directors of banks in all the principal cities; synopsis of banking and commercial laws of the various States and Canada; bank statements and statistics and a list of towns without banking facilities, with nearest banking point. The directory will be of value in many circles beyond the strictly financial group of the land.

## St. Petersburg Seeks New Water Supply

St. Petersburg, Fla.—Bids will be opened August 1 by the City Board of Commissioners for furnishing water to the city for a period of 30 years, to be delivered under sufficient pressure to fill the city's elevated tanks, or into a surface storage reservoir to be constructed at or near the city, with necessary pipe line and pumps to deliver it to the city's pumping plant. The water must come from a source capable of producing not less than 20,000,000 gallons daily and

conducted through a pipe line of the same daily capacity, the bidder to specify the type of pipe.

## Ask Bids on \$2,550,000 Bonds

Richmond, Va.—Bids will be opened July 10 by the Committee on Finance of the city council for the purchase of \$2,550,000 4½% per cent bonds, including \$1,000,000 for street paving, \$500,000 for general improvements, \$400,000 for schools, \$400,000 for sewers, \$150,000 for gas works, and \$100,000 waterworks bonds.

## New B. & O. Train to New York

As a further improvement in its service between Baltimore and New York, the Baltimore & Ohio Railroad Company, on June 16, placed in service "The Columbian," a train of many special features. In addition to a Colonial dining car, parlor cars, individual seat coaches and an observation-parlor car, this train will carry a specially designed club-lounge car. The train operates on a fast schedule, leaving Baltimore in the late afternoon and arriving at 42nd Street Station, New York, at 9.00 P. M., 4 hours and 9 minutes.



